OTTAWA/QUEBEC EDITION

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GLOBEANDMAIL.COM

Putin's call-up of reservists triggers exodus from Russia

Military mobilization sends men who don't want to fight in Ukraine heading for the borders

PAUL WALDIE LONDON MARK MacKINNON KYIV

Russian President Vladimir Putin had barely finished announcing a partial mobilization of military reservists Wednes-day when Anastasia Burakova's phone started lighting up with calls and text

Ms. Burakova runs a charity based in Georgia called Ark, which provides a range of services for Russians trying to leave the country.

Within hours of Mr. Putin's announcement she'd received 3,000 calls for help and expects many more this week.

"I can compare the panic with the panic which was in the beginning of the war," she said in an interview.

Defence Minister Sergey Shoigu said Wednesday that Russia initially planned to call up 300,000 reservists with previous combat experience. But a decree posted on the Kremlin's official website put no cap on the number of men who could be conscripted to fight, and the Novaya Gaze ta, an independent Russian media outlet operating in exile, quoted a source in the presidential administration who said the real mobilization target was one million

While Mr. Putin said students "can keep going to class," it's unclear how Rus-sia can maintain that exemption or who else will not be required to serve. (Women are exempt from conscription in Russia.)

The fear and uncertainty has sent Russians scrambling to find a way out of the country. "Of course, everyone's scared," said Egor Kuroptey, the director of the Free Russia Foundation in South Caucasus, which is also based in Georgia. "No one wants to go and die there.'

Mr. Kuroptev's organization has been receiving hundreds of calls from Russians since the mobilization announcement. RUSSIA, A8

HONOURING HOCKEY HEROES

Members of Parliament welcome Team Canada to commemorate the 50th anniversary victory over the Soviets in the 1972 Summit Series



Paul Henderson, surrounded by 1972 teammates, acknowledges applause from MPs in the House of Commons in Ottawa on Thursday. Canada won 6-5 in Game 8 on a goal by Mr. Henderson with 34 seconds left to take the series over the Soviets. PATRICK DOYLE/THE CANADIAN PRESS

'You have got to go fish where the fish are': Mulroney serves up political advice to Poilievre over dinner

IAN BAILEY OTTAWA

Pierre Poilievre must make an appeal to Canada's political centre if he wants to win government, former prime minister Brian Mulroney says he told the new Conservative Leader this week over dinner.

Recounting the three-hour Monday gathering at Stornoway, the residence of the leader of the Official Opposition, Mr. Mulroney said Mr. Poilievre can only go so far with his own caucus and constituencies, and therefore has to go beyond them.
"You have got to go fish where the fish

are and so we talked about that," Mr. Mul-

roney said in an interview with The Globe and Mail on Thursday. "You only win elections in Canada from the centre. You cannot win an election from either extreme. This has been proven time and time again. And anyone who wants to test that theory? Be my guest."

Mr. Poilievre invited the Mulroneys to dinner when he knew that the former Progressive Conservative leader would be in Ottawa this week to deliver a eulogy to Queen Elizabeth. Mr. Poilievre's wife, Anaida, also attended.

"I said to Mila, 'What would you like to do?' She said, 'I think we should accept, stop by and see them,' " said Mr. Mulro-

Mr. Mulroney said the new Conservative Leader asked "perceptive questions" about politics and listened carefully to the answers. "It doesn't mean he agreed with my answers, but he took it all in," Mr. Mulroney said.

Mr. Poilievre wanted to know how he led the Progressive Conservatives to victory in the 1984 election with a massive majority, Mr. Mulroney said, and then how he won another majority in 1988.

"He was very interested in the strategic aspects of the decisions I had to make that brought us the first back-to-back majorities of a Conservative prime minister in a hundred years." MULRONEY, A4



Review: Olivia Wilde's Don't Worry Darling is a beautiful

WARNER BROS. PICTURES

HURRICANE

Nova Scotia braces for power outages as Fiona approaches ■ A3

PHYSICS

Montreal quantum tech pioneer wins largest science prize ■ A4

Trudeau to name career diplomat as ambassador to China

ROBERT FIFE OTTAWA BURFAU CHIFF

Prime Minister Justin Trudeau is set to name career diplomat Jennifer May as ambassador to China after the past appointments of a veteran politician and a corporate executive ended in controversy, and accusations that they soft-pedalled Beijing's humanrights abuses.

Ms. May, recently ambassador to Brazil, will become the first woman posted to Beijing, the second most important diplomatic mission after Washington, according to two senior government officials. Canada's U.S. ambassador, Kirsten Hillman, is also a career diplomat and the first

woman to serve in this position.

The sources said Foreign Affairs Minister Mélanie Joly pushed Mr. Trudeau to approve the appointment of Ms. May because she speaks fluent Mandarin and handled human rights and political issues as first secretary at the Canadian embassy in Beijing from 2000-2004.

Naming an experienced diplomat ends the Trudeau govern-ment's recent practice of choosing outsiders to represent Ottawa in China. Experts say though that Ms. May has her work cut out for her as bilateral relations still remain frosty a year since Cana-dians Michael Kovrig and Michael Spavor returned home after being arbitrarily detained in China for 1,020 days.

One of the officials described Ms. May as a "black-belt diplomat" who also served in Hong Kong and Thailand.

B.C.'s cancer care marked by long wait times, staff shortages

ANDREA WOO VANCOUVER

Insiders at British Columbia's cancer care agency - including past presidents whose leadership span 25 years – are sounding the alarm on a system that they say is plummeting in quality of care and

international repute.

Growing wait times have meant that, as of this summer, only one in five patients referred to an oncologist receive a first consultation within the recommended two weeks, according to internal data obtained by The Globe and Mail. And when it comes to beginning radiation treatment, B.C.'s average wait times are the longest in Canada. Timely treatment can be critical for survival and recovery, and a delay at one stage can compound overall wait

While the COVID-19 pandemic forced the postponement of thousands of scheduled surgeries across the province and exacer-bated existing pressures on all health care, those working in B.C.'s cancer care system say the delays existed long before and will only worsen without urgent action.

The Globe spoke with dozens of people intimately familiar with the situation, including the past presidents of BC Cancer, patients, current and former oncologists, radiologists

They cite shortages of medical staff, support staff and machines used to detect and treat cancer as causes of the backlog.

■ HEALTH CARE, A10

ROB MAGAZINE COMING SATURDAY KEEP CALM AND GROW ON: CANADA'S TOP GROWING COMPANIES ■ FOR HOME SUBSCRIBERS

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Mark MacKinnon explains why Putin has escalated the war with Ukraine tgam.ca/TheDecibel



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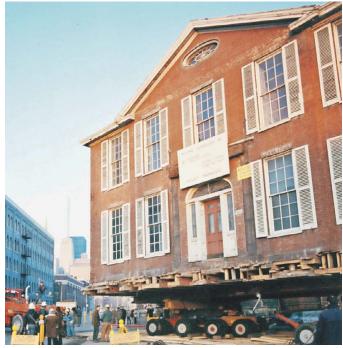
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MOMENT IN TIME

SEPTEMBER, 1822



VIM KOCHHAR

CAMPBELL HOUSE IS CONSTRUCTED

he construction of Campbell House, one of Toronto's oldest and best-preserved heritage properties, was completed 200 years ago this month. The elegant late Georgian mansion, built for Sir William Campbell, who would later serve as the sixth chief justice of Upper Canada, is a gated city landmark at the corner of University Avenue and Queen Street West. The two-storey red-brick building landed on this spot following an extraordinary feat of engineering. In the 1960s, when the house was still on its original plot of land 1.5 kilometres away, it was threatened by encroaching urban development so a plan was hatched to move it. In the spring of 1972, holes were punched into its basement walls and steel beams were inserted and reinforced. Hydraulic jacks were used to break the house away from its foundation. Then it was jacked up about 1.5 millimetres at a time until it sat roughly three metres above the ground. The structure, which weighed close to 300 tonnes, was placed on dollies and painstakingly inched along streets lined with awestruck spectators, en route to its new home. Today it stands as a testament to Toronto's rich history while the buildings surrounding it grow ever taller and glassier.

COLUMNISTS +

GARY MASON OPINION

Canadians are worried

about climate change,

but Poilievre doesn't

seem to care ■ A15





RITA TRICHUR OPINION



a richly shot portrait of toxic masculinity, but it doesn't quite land ■ A16

Ottawa should listen to Telus CEO's calls to relax foreign-ownership rules for telecoms ■ B4

CORRECTIONS |

A Wednesday news story on the U.S. congressional races in Oregon incorrectly said five members of the state's seven-person federal congressional delegation are Democrats, when in fact, it is six.

A Thursday Report on Business column on the U.S. Federal Reserve's interest rate included an incorrect range on its policy interest rate. The new range is 3 per cent to 3.25 per cent, not 3.25 per cent to 3.5 per cent.

Globe nominated for four Webster Awards

SALMAAN FAROOQUI

Four stories by The Globe and Mail are finalists for the 2022 Webster Awards, which recognize excellence in journalism from British Columbia.

The categories in which The Globe was nominated are multimedia reporting, diversity and inclusion reporting, feature and enterprise reporting, and business journalism.

Globe reporter Nancy Macdonald received two nominations, including for her feature story about the death of a Cree teen at a group home, which highlighted flaws in B.C.'s child welfare services for Indigenous children. Her other nomination was for multimedia feature alongside Timothy Moore and Artur Gajda, which described the thorough destruction of B.C.'s Highway 8 in last winter's intense flooding in the province.

A report by journalists Mike Hager, Chen Wang and Ian Bailey on the low rate of charges being laid for hate crimes in Canadian municipalities was nominated for the Webster Award for diversity and inclusion reporting.

Vancouver-based Globe business reporter Brent Jang was also nominated for his story on the obstacles Canada faces on its path to

becoming a major player in the

liquefied natural gas industry.

The nominations for the Webster Awards were announced at a reception on Tuesday evening in Vancouver. The organization also presented the 2022 Bruce Hutchison Lifetime Achievement Award to Vancouver Sun columnist Ste-

phen Hume during the ceremony. The Jack Webster Foundation was created in 1986 after the retirement of its namesake. Mr. Webster was a well-known, influential reporter in Western Canada, and the organization says the awards are meant to create a community where B.C. journalism



Globe reporter Nancy Macdonald received two Webster Awards nominations, one for her multimedia feature alongside Timothy Moore and Artur Gajda, describing the destruction of B.C.'s Highway 8, seen here in last winter's floods. ARTUR GAJDA/THE GLOBE AND MAIL

Hurricane Fiona set to hit Nova Scotia

Storm to make landfall on province's eastern shore overnight Friday as authorities prepare for potential flooding and power outages

GREG MERCER

ATLANTIC CANADA REPORTER

A massive tropical storm bringing hurricane-strength winds, heavy rain and waves that could top 12 metres is bearing down on Atlantic Canada, as residents brace for what some meteorologists say could be one of the most power ful weather systems seen in years.

Hurricane Fiona, the first major storm of the season, is expected to make landfall on Nova Scotia's eastern shore overnight Friday as authorities across the reprepare for potential flooding, widespread power outages and dangerous driving conditions. It's forecast to transition into a post-tropical storm as it reaches the Maritimes, growing in scale and covering more territory as it moves north.

That doesn't mean it will be any less severe. These post-tropical storms still pack a good punch and can still support hurricane-force winds," said Ian Hubbard, a meteorologist with the Canadian Hurricane Centre in Dartmouth, N.S. "It's going to be very, very strong, very impactful."

The heart of the storm is expected to pass over eastern mainland Nova Scotia and Cape Breton, but will also bring heavy rain and winds to much of southern and eastern New Brunswick, Prince Edward Island Newfoundland and Labrador and the Gulf of St. Lawrence. Fiona could bring winds of 100 kilometres an hour, with gusts up to 140 kilometres an hour, and rainfall of 150 millimetres - even as much as 200 millimetres in some coastal areas, he

The marine forecast is project-



On Thursday afternoon, Hurricane Fiona was about 1,800 kilometres southwest of Halifax with winds of 215 kilometres an hour. It is projected to be stronger than 2019's Hurricane Dorian. NOAA VIA AF

ing waves in excess of 10 metres, and possibly above 12 metres as the storm moves closer to Ouebec's eastern shore later on Saturday, Mr. Hubbard said.

Large crowds flocked to grocery stores in the Halifax area Thursday and elsewhere as residents stocked up on food and propane.

"It's important everyone understand this is going to be a very severe storm, and not to take it lightly," he said. "They need to plan accordingly."

People live who along Fiona's projected path were urged to prepare in advance of the storm. Large crowds flocked to grocery stores in the Halifax area Thursday and elsewhere as residents stocked up on food and propane. Officials in New Brunswick told people to prepare emergency kits with enough supplies to last 72

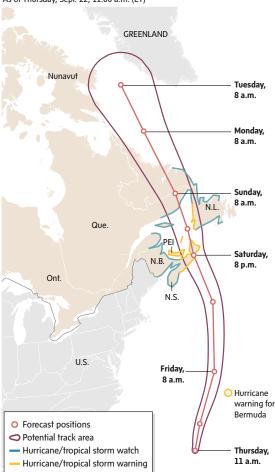
"I cannot stress this enough: prepare today, continue to prepare tomorrow for a very intense event Friday evening into Saturday," Jason Mew, the director of Nova Scotia's Emergency Management Office's incident management division, told reporters.

Some American meteorologists said modelling suggests Fiona has the potential to be a record-setting storm for Atlantic Canada in terms of its strength. Thursday afternoon, storm was about 1,800 kilometres southwest of Halifax with winds of 215 kilometres an hour. It's projected to be stronger than 2019's Hurricane Dorian, which prompted coastal evacuations in Nova Scotia and caused tens of millions of dollars in damage.

"It's hard to overstate the scenario in Atlantic Canada with Fiona," said meteorologist Bob Henson, on Twitter. "Such a broad model consensus on record-setting storm strength is almost unheard of."

approaching prompted the precautionary closing by Parks Canada of Nova Scotia's Kejimkujik National Park and Cape Breton Highlands National Park effective noon Friday. The service said it would also close the Fortress of Louisbourg and Alexander Graham Bell national historic sites in Cape Breton beginning Friday.

Meanwhile, Bay Ferries announced that it was cancelling its high-speed ferry service between Yarmouth, N.S., and Bar Harbor, Me., on Thursday, Friday and Sat-urday. As well, it warned that sailThe forecast for Hurricane Fiona As of Thursday, Sept. 22, 11:00 a.m. (ET)



MURAT YÜKSELIR / THE GLOBE AND MAIL, SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

ings for its service between Wood Islands, PEI, and Caribou, N.S., may be disrupted on Friday, while all Saturday sailings are cancelled along with all sailings for its service between Saint John and Dig-

Fiona caused historic flooding when it barrelled through Puerto

Rico earlier this week, smashing roads and bridges. It then struck the Dominican Republic and swiped past the Turks and Caicos Islands as it strengthened into a Category 4 storm.

With a report from The Canadian Press



University of Montreal professor Gilles Brassard has been working for decades on research that could aid in the development of commercial quantum computers. AMELIE PHILIBERT/UNIVERSITY OF MONTREAL

Canadian wins world's largest science award

Gilles Brassard is co-winner of \$3-million Breakthrough Prize for research into quantum physics and information

IVAN SEMENIUK

Gilles Brassard, a University of Montreal computer scientist who made seminal contributions to the field of quantum cryptography, has been awarded the Break-through Prize in fundamental physics, the world's largest science prize.

In an announcement from the Breakthrough Prize Foundation on Thursday, Prof. Brassard was named a co-winner of the US\$3million award, together with his long-time collaborator, Charles Bennett, a researcher with IBM in the United States. Oxford University physicist David Deutsch and Peter Shor, a professor of applied mathematics at the Massachusetts Institute of Technology, are also co-winners for separate contributions to the field of quan-

tum information.
Their collective discoveries are the result of a once esoteric exploration that began in the early 1980s and morphed into an ambitious and potentially worldchanging quest to develop quantum computers at commercial

The award is just the latest for Dr. Brassard, who in 2018 won the prestigious Wolf Prize in physics.

He and Dr. Bennett are considered likely contenders for a fu-ture Nobel Prize for coming up with quantum key distribution a practical way information can be sent securely and decoded using a digital key that is tied to the quantum properties of a physical system. Any attempt to eavesdrop on the transaction would disturb the quantum nature of the key so it could no longer be

Prof. Deutsch is known for working out how the principles of computer science operate when the digital bits on which a calculation is based are subject to the weird rules of quantum physics. In the 1990s, Dr. Shor, showed that if a quantum computer

could be made to work, it would undermine RSA encryption – the conventional method by which much of the world's digital information, including financial

transactions, is kept private.

The Breakthrough Prize is awarded annually for achievements in physics, mathematics and life sciences. It was established in 2012 by Russian-Israeli entrepreneur Yuri Milner and is supported by Meta's Mark Zuck-erberg and Google co-founder Sergey Brin, among other Silicon Valley luminaries.

Robert Myers, director of the Perimeter Institute for Theoreti-cal Physics in Waterloo, Ont., called this year's winners "a won-derful choice" for the prize. "I think it recognizes something that's been growing and growing," Dr. Myers said. "These are the people who set the foundations for quantum information.'

For Prof. Brassard, the journey began in the Caribbean Sea. It was 1979, and he had just taken up a position at the University of Montreal after completing his PhD. At a conference in Puerto Rico where he was scheduled to give a talk on cryptography, he went for a swim, and was approached by a stranger with an unlikely conversation starter.

"He swims up to me and starts telling me that he knows how to use quantum theory to make bank notes that are impossible to counterfeit," Prof. Brassard said. "So I had to listen, and I realized that what he was saying was interesting, but impractical and

The stranger was Dr. Bennett and the conversation stimulated Prof. Brassard to see how the idea could be made useful although still impractical – as he continued his swim. Soon afterward, the two were exchanging ideas and collaborating on what would become the basis for a science of quantum cryptogra-

As a computer scientist, Prof. Brassard was not deeply plugged into fundamental physics, particularly the hard-to-interpret implications of quantum theory, which seemed to allow mindbending possibilities like parti-cles existing in more than one place at the same time until they are measured.

"I had never taken a course in

quantum theory," he said, "but when Bennett explained these things to me, I was totally seduced by how beautiful it is."
For Prof. Deutsch, the attrac-

tion was in the reverse direction. As a physicist, he was exploring questions related to the nature of reality, including the idea that some of the contradictions in quantum theory can be explained if there are multiple universes, each representing a different outcome, such as a path that a particle can take.
Once again, it was Dr. Bennett

that provided the impetus. After a conversation with the IBM researcher at a party, Dr. Deutsch decided to look at how computers operate in a quantum world. As he and others would soon come to realize, it meant that bits of information – the ones and zeros that underpin conventional computer calculations - would be replaced by "qubits", which carry some probability of being a one or a zero.

When harnessed together, qubits can effectively perform multiple calculations, using the same hardware, in the same time a conventional computer can perform a single operation. This can vastly speed up certain kinds of calculations, including those that today are central to data encryption.

Dr. Deutsch said he was happy to embrace the notion that a quantum computer achieves its power by working in multiple universes at the same time. How-ever, it's also possible that a deeper understanding of quantum physics will one day provide better interpretation. catch, he said, is that such an interpretation "will be even weirder than what we have now.'

Since the recipients began their prize-winning work, technical advances have moved quantum computers into the realm of the possible and they are inching closer to being practical. Dr. Brassard said the field is busier than ever, fuelled in part by the realization that the data world needs an urgent response to the impending obsolescence of today's

encryption systems.
When asked what he planned to do with his share of the prize money, Dr. Brassard, 67, said he had not yet thought about it, "but it's not to retire."

First salvo between Poilievre, Trudeau proves pair will be formidable opponents

IBBITSON

OPINION



The Prime Minister

Mr. Poilievre is not

simply a political

opponent, but a

threat to peace,

order and good

as a wrecker. He

aims to stop him.

Historical precedent

He sees the

suggests

he will fail.

Liberal government.

Conservative Leader

clearly believes that

hen Stephen Harper first appeared in the House of Commons as opposition leader in 2002, prime minister Jean Chrétien offered his congratula-tions, adding: "I want the new leader of the Opposition to have many, many years to learn how to do the job, on the job."

Mr. Harper, in reply, said he was only four years old when Mr. Chrétien entered the House, and even then he remembered telling his mother: "Someone has to do something to stop that guy.

On Thursday, Pierre Poilievre confronted Justin Trudeau for the first time as Leader of the Official Opposition. The Conservative Leader said "it is good to see the Prime Minister here, visiting Canada, to fill up the gas on his private jet." (Mr. Trudeau was in Britain for the funeral of Queen Elizabeth and in New York for the United Nations General Assembly. On Saturday he flies to Japan to attend the funeral of former Japanese Prime Minister Shinzo Abe.) Mr. Poilievre then launched into a sharp attack on Liberal increases in carbon

and payroll taxes, even as inflation continues to soar.

Having offered perfunctory congratulations, Mr. Trudeau soon went after Mr. Poilievre. "If Canadians had followed the advice of the Leader of the Opposition and invested in volatile cryptocurrencies in an attempt to opt out of inflation, they would have lost half of their expines". they would have lost half of their savings.' We live in harsher times.

Mr. Poilievre displays a level of confidence, command and control in debate that both of his predecessors, Erin O'Toole and Andrew Scheer, noticeably lacked. He speaks largely without notes, keeps his questions fo-cused, presses his points relent-

But after seven years as PM, Mr. Trudeau is every bit his equal, parrying the Conservative Leader's thrusts and confidently promoting the Liberal record. These two will be formidable opponents in the House.

Mr. Poilievre has been targeting inflation – or Justinflation, as he likes to call it – almost since the pandemic began. We can debate the merits of the economic supports that governments put in

place when the pandemic arrived - to my mind, they saved the day - and whether those supports should have been wound down sooner.

But what matters politically is that people are hurting, and Mr. Poilievre has been pounding the inflation issue for years. High inflation, rising interest rates, a possible recession these are not afflictions that a government this long in the tooth can easily survive.

But Mr. Trudeau has cards of his own to play: the crypto-currency nonsense, Mr. Poilievre's support for the protesters who occupied Ottawa, his tendency to play footsie with con-

spiracy theories.

The Prime Minister clearly believes that Mr. Poilievre is not simply a political opponent, but a threat to peace, order and good Liberal government. He sees the Conservative Leader as a wrecker. He aims to stop him. Historical precedent suggests

Louis St. Laurent, having resolved to step down after his 1953 election victory, changed his mind or had it changed for him by C.D. Howe, his Minister of Everything, who vowed the elderly, but popular, Uncle Louis would lead the party into a fourth campaign "even if we have to run him stuffed." Mr. St. Laurent went down to defeat at the hands of Progressive Conservative leader John Diefenbaker in 1957.

After the 1974 election, Liberal prime minister Pierre Tru-deau should probably have stepped aside in favour of finance minister John Turner. Instead, Mr. Trudeau decided to fight a fourth campaign, against Progressive Conservative leader Joe Clark. He lost. (His political resurrection months later is a different story.)

In June, 2014, Ray Novak, Mr. Harper's chief of staff, confronted the Conservative prime minister with a choice: either declare now that he was staying to fight a fourth election, or step aside for someone else.

Mr. Harper, who could not abide the thought of another

Trudeau leading the country, decided to stay and fight. He shouldn't have.

Mr. Trudeau must know the odds are against him. Yet he must also believe that Mr. Poilievre is a threat to the country. He may have convinced himself that he and no one else can stop the new Conservative Leader from becoming prime minister

He may be right. And if he's wrong, he won't be the first politician to make that mistake.

Mulroney: Former PM calls for environmental, geopolitical focus from Tory Leader

"I answered all of his questions, and pointed out both the pitfalls and the benefits of doing certain things," Mr. Mulroney said.

It would be the first time, the former prime minister said, that he had been at the residence since he was opposition leader himself between 1983 and 1984.

Mr. Mulroney said the invitation was a wise move on Mr. Poilievre's part.

"As Churchill said, 'In victory, magnanimity," he said. "If you have a leader who reaches out to his opponents, people who didn't support him in the party, bringing them together in focus of winning the next election, then you've got the right leader, and he has the right attitude."

In addition to an appeal to the political centre, Mr. Mulroney said Mr. Poilievre will need a "grand vision" for Canada, a good environmental policy and informed international



Former prime minister Brian Mulroney, seen with his wife, Mila, in Ottawa Monday, says he believes Pierre Poilievre has 'the right attitude' to unite the Conservative Party. JUSTIN TANG/ THE CANADIAN PRESS

approach to guide the Conservatives to victory.

He said Ms. Poilievre – "a dynamite wife" – can help the new leader as Mila Mulroney was of assistance to him. "Mila helped me enormously secure the leadership of the party, and to win the election. My sense is that

[Ms. Poilievre] is cut from the same cloth. She can be a major asset to Pierre Poilievre, softening the edges, giving him good counsel and developing her own band of supporters across the

Mr. Poilievre has been reaching out to prominent Conservative outsiders to his campaign as he settles into his new job as opposition leader.

Jean Charest who bore the brunt of scathing attacks from Mr. Poilievre during the monthslong leadership race, had a recent telephone conversation with the new leader, says Laurence Tôth, a spokesperson for the former Quebec premier.

"The conversation was polite and courteous," she said in a statement.

And Erin O'Toole, who was ousted by the Conservative caucus last February precipitating the leadership race that Mr. Poi-

lievre won, has talked with Mr.

Poilievre.

"I had a very good conversa-tion with the new leader by phone a few days after his victory," Mr. O'Toole said in a state-ment. "I congratulated him on the win and we spoke about the issues facing the country and need for unity. He knows I am here to help or provide advice as needed."

The dinner with Mr. Mulroney took place after former Conservative MP Alain Rayes, a Mr. Charest supporter, was targeted by a Conservative texting campaign. It urged party members in his Quebec riding to seek his resignation because he had stepped down to become an independent in the wake of Mr. Poilievre's win. In a tweet, the party apologized.

"That was a blunder," Mr. Mul-roney said. "You can't set out on a charm offensive with the party, the caucus and the country and have situations where your people go off and do things like that."

Hockey Canada letter shows large chunk of player insurance fees goes to National Equity Fund

ABDULHAMID IBRAHIM

Hockey Canada has revealed that more than 65 per cent of player insurance fees go toward the organization's National Equity Fund.

In a letter to MP Peter Julian obtained by The Canadian Press, Hockey Canada president and chief executive officer Scott Smith provided a breakdown of how registration and insurance fees are allocated.

General liability insurance (\$8.90), director's and officers insurance (\$2) and safety/admin (\$2.75) are allocated to the National Equity Fund and make up \$13.65 of the \$20.80 of insurance

fees that are paid.

The breakdown said the general liability insurance would have been used to settle claims of sexual misconduct, though Hockey Canada has since said the reserve fund will no longer be used for that purpose.

Accidental death and dismemberment insurance (\$5.15) and medical and dental insurance (\$2) make up the remainder, and are paid into the health and benefit trust.

Insurance in total makes up the

bulk of the total registration fee of \$23.80, with the other three dollars coming from assessment and registration fees.

Mr. Smith was responding to an

Aug. 22 letter from Mr. Julian, where the member of the House of Commons heritage committee called out Hockey Canada for a lack of transparency regarding its use of registration fees.

"Hockey parents across the country deserve to know exactly how their registration fees are used," Mr. Julian said.

The National Equity Fund has put Hockey Canada under increased scrutiny since the organization confirmed its existence in a statement on July 19 and said it had been used to settle sexual-misconduct claims. Hockey Canada said the following day that it would no longer be used to settle sexual-assault claims.

At a parliamentary hearing on July 27, Hockey Canada chief financial officer Brian Cairo said the governing body used the fund to pay out \$7.6-million in nine settlements related to sexual-assault and sexual-abuse claims since 1989. That figure does not include the undisclosed amount of a 2018 settlement from an alleged sexual assault involving players from that year's world junior team.

Mr. Julian had also posed questions regarding perks and luxurious accommodations provided to board members. Mr. Smith said allowable expenses under the board of directors' travel and expense policy include airfare, accommodation, meals and

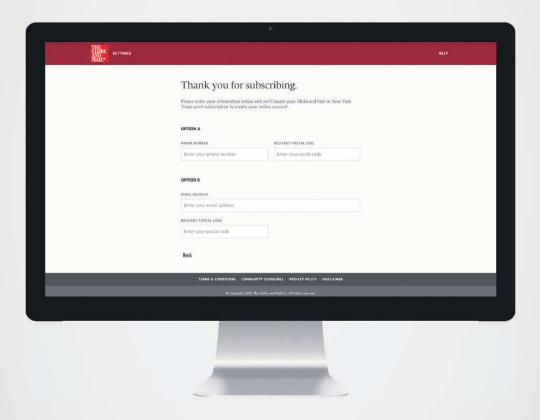
ground travel, and are regularly reviewed to ensure they are appropriate.

The MP said he had received information on the expenses from a former board member who chose to remain anonymous. Those included dinners costing north of \$5,000 for the board of directors, as well as accommodations of more than \$3,000 a night.

"We cannot speak to the information you have received regarding specific dinners or accommodations as this information did not come from Hockey Canada, but we do not believe it to be accurate." Mr. Smith said in response.

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O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022 A6 | NEWS

Poilievre presses Trudeau on inflation

New Conservative chief chides PM for foreign travel during Question Period as Opposition Leader

BILL CURRY OTTAWA

In his first opportunity to question Justin Trudeau since winning the Conservative Party leadership, Pierre Poilievre repeated his calls for a federal payroll tax freeze and chided the Prime Minister for choosing international travel over House of Commons attendance.
"It's nice to see the Prime Min-

ister here, visiting Canada," Mr. Poilievre began. The Prime Minister has spent most of this week in New York for meetings of the United Nations, missing the first two days of regular sittings, which resumed Tuesday after the summer recess.

The Prime Minister began the week in London for the Queen's funeral and he leaves on Saturday for a five-day trip to Japan to attend the funeral of former Japanese prime minister Shinzo

While it was Mr. Poilievre's first chance to question Mr. Trudeau as Conservative Leader, the parliamentary scene had a sense of familiarity. Mr. Poilievre has had many opportunities to question the Prime Minister in his previous capacity as his party's finance critic.

Throughout this week, Liberals and Conservatives have been debating how Ottawa should respond to the affordability concerns facing Canadians in light of the current high levels of infla-

Mr. Poilievre is urging the government not to raise employment insurance (EI) premiums, Canada Pension Plan (CPP) contributions and the federal carbon price in 2023.

The Liberals have countered with their own \$4.6-billion affordability plan. It includes Bill C-30, which would allow the government to double low-income Canadians' GST tax credit for six months, and Bill C-31, which pro-vides payments for dental care to uninsured parents with children under 12 and also boosts rent supports.

The Liberals have argued that their plan is more effective because it targets lower-income Canadians who are most in need.

"Canadians cannot afford a bigger bite off their paycheques. Will the Prime Minister cancel his tax hikes on Canadian pay-cheques?" Mr. Poilievre asked.

Liberals and Conservatives have been debating how Ottawa should respond to the affordability concerns facing Canadians.

Mr. Trudeau responded by pointing out that EI premiums were 20 per cent higher in 2015 when Mr. Poilievre was the Conservative minister responsible

for the program.
"On the issue of the CPP, we promised to be there for workers as they become seniors to help them with their retirements, and that is exactly what we did," he said. "In regard to pricing pollution, we promised it would no longer be free to pollute anywhere in this country, and it no longer is."

The tone of the exchange between the two party leaders was civil. Mr. Poilievre only asked an opening round of questions, leaving other Conservative MPs to ask similar questions about the cost of living for the remainder of the roughly 45-minute Question Period.

Immediately after, both men were on their feet again for a special event recognizing the 50th anniversary of the 1972 Summit series. Surviving members of Canada's hockey team – including Paul Henderson, who scored the game-winning goal in the final game of the series - received standing ovations from MPs and were given seats on the floor of the House of Commons as Mr. Trudeau, Mr. Poilievre and others gave speeches in their honour.

Mr. Poilievre politely applauded during Mr. Trudeau's speech and the Prime Minister reciprocated during the Conservative Leader's remarks.

The cost-of-living debate took

a twist on Wednesday when the Conservatives said they "may" support Bill C-30 on the GST credit, but not Bill C-31. Mr. Poilievre had previously dismissed the entire Liberal package, which was first announced by Mr. Trudeau last week.

During debate on Bill C-30, the GST credit bill, on Thursday afternoon, Conservative MP and finance critic Dan Albas said the Liberal plan came after a "sum-mer of silence" as Canadians struggled with higher prices from inflation

In a speech, he told MPs that while the Conservatives are con-cerned that the Liberals' overall spending plan will make inflation worse, his party is prepared to support a "Band-Aid of a bill" that provides a short term benefit to people who receive the GST

"Providing them some of the GST they have paid back to them at such a challenging time is something we as the Official Opposition will support," he said. "I think we all need to be critically aware of those who are still suffering and will not be helped by



Drug overdose prevention sites were supposed to replace Calgary's lone supervised consumption site, in the Sheldon M. Chumir Health Centre, which the province is shutting down. JEFF McINTOSH/THE CANADIAN PRESS

Overdose prevention site in Alberta put on hold

ALANNA SMITH CALGARY

A non-profit that runs a shelter and detox facility in Calgary has put its plan to open a drug overdose prevention site on hold, weeks after the city's largest homeless shelter said it was walking away from a similar pro-

posal. Alpha House Society cancelled two planned community engagement sessions this week and e-mailed neighbourhood associations and other stakeholders saying the organization need-

ed more time to make a decision. The Calgary Drop-In Centre announced in early September that it had cancelled a plan to operate a site at its shelter, located on the eastern edge of the city's downtown, due to local op-

The provincial government had asked both groups to operate overdose prevent sites (OPS), which allow users to consume drugs in the presence of medical personnel. They were to replace the city's lone supervised consumption site, in the Sheldon M. Chumir Health Centre, an urgent care centre, which the province has planned to shut down for more than a year. It's not clear when the facility at the Chumir Centre will close.

Alpha House spokesperson Shaundra Bruvall e-mailed the stakeholders, including community and business groups, on Wednesday evening, saying the decision was prompted by the cancellation of the drop-in centre's proposal. "There are now several uncertainties related to the situation of overdose prevention services in the city," Ms. Bruvall wrote in the e-mail, which was obtained by The Globe and

'While we are still committed to understanding what a possi-ble OPS would look like at Alpha House's shelter and detox facility, it is clear to us that we require more information before making any official decisions. As such, we do not wish to waste anyone's time when there are many questions Alpha House would simply be unable to an-

swer at this time.' Ms. Bruvall did not give details information what House needs.

The e-mail included attachments that say the provincial government asked Alpha House to operate a site beginning in Oc-

The documents show Alpha House was considering renovatdesignated space that would include three consumption booths. She said in a statement on Thursday that Alpha House does not have a clear timeline for resuming community engagement sessions.

Mike Ellis, associate minister of mental health and addictions, confirmed Alpha House's decision on Twitter on Thursday in posts that were subsequently deleted. In the tweets, Mr. Ellis said he was disappointed by Alpha House's decision to put the process on hold, which he said the organization made without input from the provincial govern-

"Alberta's government will continue to work with the City of Calgary, local residents, business owners and community stakeholders to establish a more suitable overdose prevention model within Calgary than what currently exists," one of the tweets

His spokesperson, Eric Engler, did not respond to several requests for comment.

More than 7,400 Albertans

have died by unintentional drug overdoses since 2016, the majority linked to opioids such as fentanyl. The crisis has worsened

during the pandemic.

Overdose deaths peaked at the end of last year, with a record 174 people dying per month in November and December, and have since fallen. Fatal opioid-related overdoses were below 100 in June and July for the first time in more than two years, but remain far above prepandemic lev-

Sandra Clarkson, executive director of the drop-in, said in an interview last week that it was clear during three community engagement sessions that it would be "impossible" to complete the province's requirement for what is known as a goodneighbour agreement.

These arrangements must be signed by local businesses, comassociations and residents within a 200-metre radius of a proposed supervised druguse site. They include the responsibilities and commitments of each party, plus the service provider and a dispute resolu-

tion process. "There were a lot of backdoor meetings that were taking place afterward," and strong opposi-tion efforts from residents, businesses and developers in the area, Ms. Clarkson said. "It became really clear that it was an impossible situation in terms of getting that agreement to move forward."

She said the proposed overdose prevention site became a "lightning rod" in a debate about social disorder and safety in the area. "They were looking for guarantees that an overdose prevention service would solve all of those issues for the community, which is impossible."

The good-neighbour ments were introduced after years of vocal opposition by some businesses and communities that cited increases in crime and social disorder as a result of supervised consumption sites. The United Conservative Party government ordered a review of such sites after taking power in 2019 and shifted its focus to recovery-oriented services, such as residential treatment facilities, detox beds and opioid withdrawal supports. It has also continued funding overdose prevention

A government report released in 2020 pointed to deteriorating public safety near such facilities. Academic and public health experts criticized the report's methodology.

Power Plant art gallery's board of directors resigns

CHRIS HANNAY

The board of directors of Toronto's Power Plant art gallery is vacant after members resigned en masse on Wednesday over a leadership struggle with its parent organization, the Har-

The Power Plant, one of Canada's leading public contemporary art galleries, has been in a legal fight with Harbourfront since June, when Harbourfront attempted to dismiss 12 members of the board, according to court documents. The court battle and the resignations have exposed dissension at

high levels of the organization.

Richard Lee, one of the departing board members, said the Harbourfront Centre's attempt to remove almost half the board jeopardizes the art gallery's independence

"There's no sense of autonomy, no sense of democracy," Mr. Lee said.

The Power Plant and Harbourfront Centre are separate charities, but are closely entwined. Harbourfront is the landlord and major funder of the Power Plant, and the art gallery's staff are legally employees of the centre. Harbourfront appoints 13 of the board's 27 members; two more are employees of the centre; and the other 12 are independently elected.

The two organizations have been embroiled in a monthslong legal battle over governance, according to court docu-

On June 2, the president of Harbourfront's board of directors, Tenio Evangelista, wrote to the Power Plant's board expressing concerns about its oversight of the art gallery, according to court files

"Staff turnover at The Power Plant (TPP) remains disproportionately high and, as has been communicated to you a number of times over the past year, is an area of focus for Harbourfront Centre's board," Mr. Evangelista wrote in the letter, which was filed in court.

The letter includes a written resolution to remove 12 directors appointed by Harbourfront and replace them with 13 new ones, including Mr. Evangelista. (One board member

would have filled a vacancy.)

The Power Plant's board and counsel fought the removal order, saying it was legally invalid, the court documents show, and Harbourfront sued the art gallery on June 21, seeking a ruling on whether the order was valid.

A decision in the case has not been released. In the ensuing months, some board members left voluntarily. On Wednesday, the remaining 16 - including both independent directors and those appointed by Harbourfront – quit in protest and released a public letter about their con-

"We hope our resignation draws attention to the current crisis of governance and enacts the necessary changes to ensure a healthy and successful Power Plant going forward,"

said the letter, signed by 15 of the departing members. Marah Braye, Harbourfront's chief executive officer, confirmed on Thursday that the art gallery's board was empty.

She said she was working on appointing interim directors.

Ms. Braye said she did not want to elaborate on the nature of the issues that led to the breakdown in communications between the two groups.

Mr. Lee said he did not know what concerns Harbourfront had before the June 2 request to terminate board members. The board resignations also come at a time that the Power Plant is looking for new artistic leadership.

The gallery's long-time artistic director, Gaëtane Verna, left in September to take a position as executive director at the Wexner Center for the Arts, a prestigious art institution at Ohio State University. The Power Plant has not yet announced a replacement.

DANGEROUS FUNGUS DETECTED AT MONTREAL-AREA HOSPITAL: HEALTH OFFICIALS

A dangerous fungus known for its resistance to treatment was detected earlier this month at a hospital in Longueuil, Que., on Montreal's South Shore, health authorities said

Since Sept. 8, officials have identified two cases involving patients carrying Candida auris at Hôpital Pierre-Boucher Neither of them, however, have developed a dangerous yeast infection tied to the fungus. Officials said one of the patients – and their close contacts – was placed in isolation. Regional health spokeswoman Caroline Doucet says the

hospital has instructed certain staff to wear personal protective equipment and to employ other disinfection measures. All patients who have been in close contact with the two cases have been tested, and the hospital remains safe for users, the health agency said Thursday. According the United States Centers for Disease Control and Prevention, Candida auris is an emerging fungus that is considered a serious global health threat because it is often resistant to multiple anti-fungal drugs, and is difficult to identify. THE CANADIAN PRESS



Whatever language you use, physical literacy will speak to you.



Cars from Russia wait in long lines at a border checkpoint between Russia and Finland on Thursday.

OLIVIER MORIN/AFP VIA GETTY IMAGES

Russia: Escaping conscription is getting harder

Even if people can

make it out of

Russia, finding a

place to settle is

difficult. Several

European countries,

including the Baltic

states, have said that

draft evasion would

not be sufficient

grounds to claim

refugee status.

FROM A1

While his group usually deals with political dissidents and journalists, he's now getting requests from ordinary people who are desperate to get out.

"They are scared, they don't have money, they don't know how to leave or where to go," he said. "They have no idea what they will do if they leave. This is another story. You can find some money for bus, but where will you live?"

Leaving Russia is getting harder, though. Flights to the few destinations still open to Russian travellers – such as Turkey, Armenia and Dubai – have been snapped up, and prices for whatever may be left have soared

for whatever may be left have soared.
On the Turkish Airlines website Thursday, there were no tickets available from Moscow to Istanbul until Tuesday. One business-class seat was priced at US\$4,000. On the website of Russia's Aeroflot, tickets to Turkey and Armenia were sold out for the next five days. The earliest available flight to Dubai

was Sept. 30.

The cost of a one-way flight from Moscow to Yerevan, the capital of Armenia, had jumped from US\$269 to US\$2,060 within an hour of Mr. Putin's address, Mr. Kuroptev said. It's still possible to buy bus tickets and cross at Russia's borders with Georgia and some other countries, he said, but wait times are much longer than usual.

Another concern is that Russia may ban adult men from leaving the country or even their local communities. In Tatarstan, the

local government posted an order that "officers, warrant officers, midshipmen, sergeants, foremen, soldiers and sailors of the reserve" were temporarily prohibited from leaving their cities of residence. There have been reports that military officials in at least three other Russian regions have issued similar orders.

"What I advise people for now is to leave as soon as you can, ASAP, and make your family leave even if they think that they can do it later," said Varvara Magomedova, who works with Russian refugees in Poland. "The only thing I care about now is to get out of Russia as many guys as I can."

Ms. Magomedova said one option has been to head to Belarus, which doesn't require a visa, then to try to move on to another country. It's also "easier a little bit to hide in Belarus than in Russia," she added.

Even if people can make it out of Russia, finding a place to settle is difficult. Several European countries, including the Baltic states, have said that draft evasion would not be sufficient grounds to claim refugee status. Ms. Magomedova and other groups have been petitioning countries to issue humanitarian visas

to Russians, but that too has not been widely accepted.

The first videos have emerged from Russia of men being mobilized for war and suggest that mobilization is proceeding faster in places such as Buyatia, in the Far East, and Chechnya, in the south – regions inhabited mostly by ethnic minorities. In the city of Neryungri, women held children in their arms and wiped away tears as men carrying backpacks clambered silently onto a trio of buses outside the local sports stadium. Similar footage was posted from towns and cities across the vast coun-

try.
Other videos posted to social media show long lines of cars at crossings to Georgia and Mongolia, two of the few countries whose borders with Russian remain open.

Small anti-conscription protests in more than 20 cities across Russia were quickly suppressed by riot police Wednesday night. OVD-Info, an NGO that monitors political repression in Russia, said 1,312 people had been de-

tained at the demonstrations.
On Thursday, OVD-Info said it had received reports that at least 15 detainees in Moscow and one in Voronezh had been handed draft notices while behind bars.

Vesna, the youth group that organized the Wednesday protests, called on Russians to take to the streets again on Saturday. In a Telegram post, the group played up the fact the words "mobilization" and "graves" sound alike in Russian. "The whole country is our ally! No graves! Life for our children! Putin – resign!"

Even Russians who have decided to stay are anxious, hoping they don't qualify for conscription.

"It's absolutely crazy! Families are breaking," said a 41-year-old man whom The Globe and Mail is not identifying because he could face repercussions for speaking about the mobilization process.

"There are cases when Russians are getting divorced because the wife supports [the war] but the husband doesn't."

On Thursday, former Russian president Dmitry Medvedev, now the deputy head of the country's Security Council, made it clear that Russia intends to annex the Ukrainian regions of Donetsk, Luhansk, Kherson and Zaporizhzhia after a series of stage-managed referendums scheduled for Sept. 23 to 27. After that, he said, Russia will be willing to use "any Russian weapons, including strategic nuclear weapons," to defend its new territory.

"The Western establishment and, in general, all citizens of the NATO countries need to understand that Russia has chosen its own path," Mr. Medvedev wrote on his Telegram channel.

"There is no way back."

China: Carleton professor says Canada is signalling a pragmatic approach to bilateral relations

FROM A1

The official said that gives her trade experience and a strong perspective on China's role in the Indo-Pacific region. The Globe and Mail is not identifying the officials because they were not authorized to publicly discuss the matter.

The sources said China signed off on Ms. May's appointment last week and the federal government is expected to make the official announcement as early as Friday.

"The government and the country is always better served by experienced diplomats," said Guy Saint-Jacques, former Canadian ambassador to China. "The embassy will work at its best if they know the issues and involve the staff and get them to focus on the issue of importance to country."

Mr. Saint-Jacques said Ms. May has a sophisticated understanding of the Chinese political system and culture, although he said she will have to adjust to the "wolfwarrior type of diplomacy" that is conducted by China.

"President Xi Jinping has really been pushing for a more aggressive foreign policy and it has become more difficult for diplomats to do their work," he said. "Trade has also become highly ideological so the new ambassador will have a lot of work to try to promote Canadian business."

Mr. Saint-Jacques said he's pleased to see the government has given up on political appointees to China. He felt that both Mr. McCallum and Mr. Barton failed to see the strategic threat posed by China and tended to 'pull their punches' when it came to Beijing's human-rights abuses.

In addition, Ms. May will need to work with ambassadors of Western countries to co-ordinate on strategies to oppose "the worst side of China – the bullying and use of trade as a weapon," he said.

use of trade as a weapon, "ne said.
The Prime Minister fired his first ambassador to China, former Liberal cabinet minister John McCallum, when the former Liberal cabinet minister publicly argued that the U.S. extradition request for Huawei chief financial officer Meng Wanzhou was seriously flawed. Ms. Meng's arrest in Vancouver in December, 2018, led to China detaining Mr. Kovrig and Mr. Spavor and imposing sanctions on Canadian agriculture products.

Dominic Barton, who succeeded Mr. McCallum in September, 2019, was criticized by foreign-policy experts and opposition parties for ethical troubles from his time as head of McKinsey and Co., and allegations in Parliament that as ambassador, he was pro-China.

Mr. Saint-Jacques said he's pleased to see the government has given up on political appointees to China. He felt that both Mr. McCallum and Mr. Barton failed to see the strategic threat posed by China and tended to "pull their

punches" when it came to Beijing's human-rights abuses.

Mr. Saint-Jacques said Mr. McCallum had "partial knowledge of China" from his many visits there as an MP but "it was always paid by the Chinese government, so he was not totally impartial." As an MP, Mr. McCallum accepted trips valued at \$73,300 from China or pro-Beijing business groups.

Mr. Barton was accused by opposition parties of leveraging his ambassadorship when he resigned last December to become chair of Rio Tinto, an Anglo-Australian mining conglomerate that does half of its business in China. While praised for helping to secure the release of the Canadians, he was criticized for ignoring China's human-rights abuses.

Fen Hampson, chancellor's professor at Carleton University, said Ottawa is signalling that it is taking a pragmatic approach to bilateral relations as it decides how to deal with China in a long-awaited Indo-Pacific strategy, now being drafted by Global Affairs.

"Because it isn't a high-level political appointee, it suggests that the relationship is going to be cool and tempered going forward," he said. "With an experienced diplomat, who is a fluent speaker, there will be an opportunity to slowly rebuild diplomatic relations after a period of being in the deep freeze on both sides."

Colin Robertson, senior adviser and fellow at the Canadian Global Affairs Institute, said Ms. May may be an experienced China hand but he worries Beijing will feel snubbed because Mr. McCallum and Mr. Barton were hand-picked by the Prime Minister.

"The Chinese like to think that they would be treated the way we treat the U.S. and send someone who has the personal confidence of the Prime Minister," he said. Most envoys to Washington are political appointees but Mr. Robertson said that Ms. Hillman, while deputy ambassador, won over Mr. Trudeau for her key role in NAFTA negotiations.

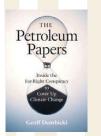
Before he was Canada's envoy to China, Mr. Barton was the global managing partner of the consulting firm McKinsey and Co. He is facing a civil racketeering lawsuit in the United States involving allegations related to his time in

The lawsuit names him and other top McKinsey executives. They are accused of filing misleading disclosure statements to a bankruptcy court in order to secure consulting appointments worth tens of millions of dollars.

During his time as head of McKinsey, he led the company through several controversies including some related to China. In 2018, for example, the company held a retreat in China's western Xinjiang region, just six kilometres from the location of what is believed to be an internment camp where members of the Uyghur ethnic minority are subjected to forced political indoctrination.

McKinsey's work in China, including during Mr. Barton's tenure from 2009 to 2018, has drawn scrutiny from U.S. lawmakers, who have demanded McKinsey share information about its work for Chinese state-owned clients.





The Petroleum Papers: Inside the Far-Right Conspiracy to Cover Up Climate Change Geoff Dembicki

NOTHING
WILL

BE
DIFFERENT

tara
mcgowan-ross

Nothing Will Be

Different: A Memoir

Tara McGowan-Ross



The Long Road Home: On Blackness and Belonging Debra Thompson



The Invisible Siege:
The Rise of
Coronaviruses and
the Search for a Cure





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Mutiny charge withdrawn for Canadian soldier

Armed Forces officer apologizes at the start of his court martial for anti-vaccine comments, saying he regretted his actions

LEE BERTHIAUME OTTAWA

A Canadian Armed Forces officer who publicly urged other military members to disobey orders and not help distribute COVID-19 vaccines apologized Thursday, saying he regretted his actions and "public display of disloyalty."

Officer Cadet Laszlo Kenderesi delivered the apology at the start of his court martial where he was scheduled to be tried on three separate charges, including one of endeavouring to persuade another person to join in a mutiny.

However, military prosecutors told the court shortly after the start of OCdt. Kenderesi's trial at Canadian Forces Base Borden that they had withdrawn the mutiny charge, which

carried a maximum penalty of up to life in prison.

A short time later, OCdt. Kenderesi pleaded guilty to one charge of conduct to the prejudice of good order and disci-pline before entering a not-guilty plea to the third charge of behaving in a scandalous manner unbecoming an officer.

The charges relate to a speech at an anti-lockdown rally in Toronto's Dundas Square on Dec. 5, 2020, in which OCdt. Kenderesi appeared in full military uniform and spoke out against what he called "killer" vaccines.

I'm calling upon all military personnel to do the same, not to accept any unjust orders, which would be giving out and distributing vaccines," OCdt. Kenderesi told rally participants, according to a transcript read in court

A video of his comments was later published online. The Armed Forces had only days earlier received formal orders to start planning for the distribution of vaccines across the country, as Health Canada entered the final stages of reviewing vaccine candidates from Pfizer and Moderna.

On Thursday, OCdt. Kenderesi expressed remorse for his actions as military judge Commander Martin Pelletier prepared to sentence the 60-year-old cadet instructor following his guilty plea to conduct to the prejudice of good order and discipline.

"It was wrong for me to present myself as a Canadian Armed Forces member to publicly express my private views," OCdt. Kenderesi said. "I abused the trust that comes with the privilege of wearing the Canadian Armed Forces uniform. I'm

He later added: "It was not my place to question the orders of the chain of command. I breached the core principle of service by not supporting the lawful authority of the chain of command. I'm ashamed of my public display of disloyalty."

In a separate affidavit read into the record, court heard

OCdt. Kenderesi was born and grew up in Hungary while that country was under the Soviet Union's influence, and that the COVID-19 lockdowns in 2020 affected him both emotionally and financially.

That included his wife losing her job and the collapse of his trucking business, after which he declared bankruptcy.

Court also heard that while OCdt. Kenderesi first joined the Canadian Armed Forces in 1978 and served for years as reserve cadet instructor in Borden, he had virtually no contact with the military after 2018.

But even as defence lawyer Major Alexandre Gélinas-Proulx sought to use these as mitigating factors, prosecutor Lieutenant-Commander Jennifer Besner argued that the underlying issue was one of enforcing discipline in the ranks.

"Discipline is the quality that every CF member must have, which allows him or her to put the interests of Canada and the interests of the Canadian Forces before personal interests," LCdr. Besner said.

This is necessary because Canadian Forces members must willingly and promptly obey lawful orders that may have very devastating personal consequences.

LCdr. Besner and Major Gélinas-Proulx nonetheless agreed in asking that Cdr. Pelletier sentence OCdt. Kenderesi to a severe reprimand and \$4,200 fine. They added the officer cadet has already served 80 hours of community service.

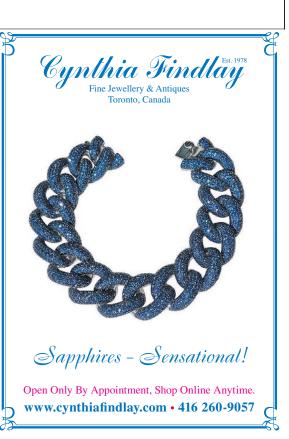
Cdr. Pelletier appeared to acknowledge the precedent that his ruling would set for future cases, calling it unique due to the context of the pandemic as well as the public nature of the

officer cadet's comments.

The results of OCdt. Kenderesi's case could indeed have repercussions on future courts martial for Armed Forces members who have publicly spoken out against vaccine mandates and other government policies.

That includes Warrant Officer James Topp, the army reservist who was charged earlier this year with two counts of conduct to the prejudice of good order and discipline for speaking out against vaccine requirements while wearing his uniform.

THE CANADIAN PRESS



COVID-19 raises risk of brain injuries, year-long study from U.S. researchers finds

JULIE STEENHUYSEN CHICAGO

People who had COVID-19 are at higher risk for a host of brain injuries a year later, compared with people who were never infected by the coronavirus, a finding that could affect millions of Americans, U.S. researchers reported on Thursday.

The year-long study, published in Nature Medicine, assessed brain health across 44 different disorders using medical records without patient identifiers from millions of U.S. veterans.

Brain and other neurological disorders occurred in 7 per cent more of those who had been infected with COVID compared with a similar group of veterans who had never been infected. That translates into roughly 6.6 million Americans who had brain impairments linked with their COVID infections, the team said.

"The results show the devas-

tating long-term effects of CO-VID-19," senior author Dr. Ziyad Al-Aly of Washington University School of Medicine said in a statement.

Dr. Al-Aly and colleagues at Washington University School of Medicine and the Veterans Affairs St. Louis Health Care System studied medical records from 154,000 U.S. veterans who had tested positive for COVID from March 1, 2020, to Jan. 15, 2021.

They compared these with records from 5.6 million patients who did not have COVID during the same time frame, and another group of 5.8 million people from the period just before the coronavirus arrived in the United States.

Dr. Al-Aly said prior studies looked at a narrower group of dis-orders, and were focused largely on hospitalized patients, whereas his study included both hospitalized and non-hospitalized pa-

Memory impairments, commonly referred to as brain fog, were the most common symptom. Compared with the control groups, people infected with CO-VID had a 77 per cent higher risk

of developing memory problems. People infected with the virus also were 50 per cent more likely to have an ischemic stroke, which is caused by blood clots, compared with the never infected group.

Those who had COVID were 80 per cent more likely to have seizures, 43 per cent more likely to have mental health issues, such as anxiety or depression, 35 per cent more likely to have headaches and 42 per cent more likely to suffer movement disorders, such as tremors, compared with the control groups.

Researchers said governments and health systems must devise plans for a post-COVID world.

REUTERS

RECONCILIATION 1



Keepsake unveiled

Residential school survivor Florence Paynter, left, embraces president and CEO of the Royal Canadian Mint Marie Lemay after unveiling the 2022 Truth and Reconciliation Keepsake in Winnipeg on Thursday

DAVID LIPNOWSKI/THE CANADIAN PRESS



Health care: Only 20% of B.C. patients referred to an oncologist were seen within two weeks

FROM A1

And, as the province's growing and aging population leads to an increase in diagnoses each year going up a projected 57 per cent between 2012 and 2030 (to 37,095 from 23,521) - the pressure on oncologists, radiologists and nurses has led those health care professionals working in B.C. to report the highest levels of stress and burnout among all can-

Wait times for cancer treatment occur at several stages, from first symptoms to a visit with a family doctor, to a referral for diagnostic imaging or a surgeon, to a first consultation with an oncologist, and from a decision to treat to commencement of treat-

The B.C. government does not make wait times for these various stages publicly available, but The Globe obtained data from medical staff at BC Cancer and from the Canadian Institute for Health Information (CIHI).

The data show that, in September, only 20 per cent of patients referred to an oncologist were seen within two weeks. About 50 per cent had been seen at the four-week mark. In comparison, about 75 per cent of patients in Ontario are seen within two

After a consult, about half of patients with cancer will receive radiation therapy as part of their treat-ment. Once such a decision has been made, 88 per cent of patients in B.C. are able to start within four weeks - the national benchmark for the maximum amount of time deemed appropriate to wait. This makes B.C. the poorest performing province in a

country where the national average is 97 per cent. Alberta, Saskatchewan, Manitoba, Ontario, Que bec, Prince Edward Island and Newfoundland and Labrador all came in at 98 per cent or above; New Brunswick was at 92 per cent and Nova Scotia at 89

per cent, according to data from 2021. Of patients requiring chemotherapy, about 77 per cent start treatment within the recommended two weeks of a decision to treat and 95 per cent within four weeks, the data show.

The Canadian Association of Radiologists has repeatedly warned of staff shortages, aging equipbacklogs in medical imaging and severe which president Gilles Soulez emphasized is "the cornerstone of any medical decision." When the pandemic began in March, 2020, Canadians were already waiting 50 to 82 days for a CT scan and 89 days for an MRI - far more than the recommended one month benchmark

Charlotte Yong-Hing, president of the BC Radiological Society and president-elect of the Canadian Society of Breast Imaging, said radiology volumes have gone up in the last five years, but the number of technologists has not.

The downstream impact is that people have a huge amount of anxiety because of the waiting, she said. "And in the process of waiting, their disease progresses and then they have to have more invasive testing, more invasive treatment, And, you know, there's years of life lost, at the end of the day."

A study published in the British Medical Journal in November, 2020, found that delaying treatment for cancer by even a month can increase a person's risk of dying by 6 to 13 per cent. Further delays were associated with higher mortality; an eight-week delay in breast cancer surgery, for example, would increase the risk of death by 17 per cent, and a 12-week delay by 26 per cent, the researchers found. In Canada, that difference would lead to 700 excess deaths a

Lorraine Glover, 71, faced just such a delay last year. When the retired office administrator in Victoria discovered a lump in her breast in June, 2021, she immediately thought of her first brush with cancer nearly three decades earlier. That time, she had undergone a needle biopsy within hours of the discov ery and, within a few days, had the lump excised and confirmed as cancerous. Surgery came a week later, followed shortly by a three-week course of ra-

It had been a frightening time for Ms. Glover, then in her early 40s and a mother of two young children. But the process was manageable – and over within two months.

"When I discovered my lump in June, my first feelings of concern were tempered by the fact that we live in B.C., have a wonderful medical system in place, and it would be okay," said Ms. Glover. "I'm afraid those feelings [have] rapidly deteriorated."

What she experienced this time was a stumbling journey through a cancer-care system under pressure, beset by delays and uncertainty.

Ms. Glover saw her family doctor in July and was scheduled that month for a mammogram, ultrasound and biopsy. But the cancer clinic still required an MRI scan that couldn't be scheduled until late August; the results in early September showed possible spread of cancer cells into neighbouring tissues. At that point, Ms. Glover said the cancer clinic accepted her and assigned her a surgeon, whose office her doctor advised her to "start badgering" for an appointment.

The surgeon quickly identified Ms. Glover as having spindle cell sarcoma, a rare soft-tissue tumour that can spread quickly to other areas of the body, and excised the lump at the end of September. But further surgery would be needed and an operating room couldn't be booked until mid-October. The biopsy pathology report from that procedure took another four weeks – more than double the typical maximum in times of adequate staffing.

She underwent a mastectomy in early December, waiting another three weeks for a biopsy pathology report to see if any cancer remained. Two days before Christmas, Ms. Glover said her surgeon phoned to say she was cancer-free but she would need to

Lorraine Glover 71, discovered a lump in her breast in June

2021. After surgery, she faced a nearly three-month delay in starting

chemotherapy. MELISSA RENWICK/ THE GLOBE AND

come in to discuss the biopsy results - an appointment that was postponed three times over the fol-"I'm not that worried because I'm cancer free," she remembers thinking at the time. "I thought it

was just a mop-up. Just, you know, 'Okay, great, your scar looks good. Good luck with the rest of your That wasn't the case. At the appointment in late January, Ms. Glover's surgeon advised her that she had a high level of HER2, a protein that can cause

breast cancer cells to grow quickly. Her files were sent to oncology, and an appointment scheduled for mid-February. "The very first words [the oncologist] said to me were, 'Why did you wait so long to come? Your window of opportunity is nearly closed. We like to start chemotherapy four to six weeks after surgery for best results. You're closing in on three months.' "

Ms. Glover was stunned.

"Well, I'm probably going to die," she thought. "I have cancer. It's not gone. It's growing inside me, and I'm probably going to die."

She began chemotherapy in early March.

There had long been hints of tension at B.C.'s provincial cancer agency, which saw several past presidents cut short their terms without giving convinc-

ing, public explanations as to why – until now. Max Coppes was named president of BC Cancer, then called the BC Cancer Agency, in the summer of 2012. In his first year on the job, Dr. Coppes liaised with cancer-care staff across the province, B.C. health authority representatives and his predecessors to determine the organization's current and future needs. Wait times were already longer than he would have liked, and the province's growing and aging population meant that a significant increase in cancer incidence was on the horizon.

Dr. Coppes said his team pulled data to estimate future cancer numbers and he presented the findings to leadership at the Provincial Health Services Authority (PHSA), which governs BC Cancer. He spoke frankly of an impending crisis that would require planning for new treatment infrastructure and the recruitment of new specialists. It was a necessary but costly endeavour that would put signif-

icant fiscal pressures on the health care system.

PHSA leadership didn't seem to view the matter as urgent and no formal discussions about options or next steps took place, Dr. Coppes said. Conversations with senior executives became increasingly uncomfortable after that, which Dr. Coppes sus pects was due to the overwhelming magnitude of the problem he described.

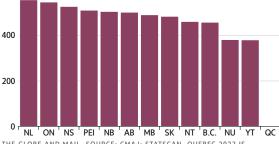
Dr. Coppes resigned from BC Cancer in 2014, two years into what is typically a five-year, renewable

"I honestly could not look in the mirror because I felt that I was cornered to be a person that I wasn't,' he said. "Talking to people who would call or e-mail that they had such long waiting times, I couldn't answer anymore because I couldn't say, 'Yeah, I hear your pain and I'm trying to do something about it.' I actually felt that I couldn't."

In a final effort to draw attention to the looming surge in cancer cases, Dr. Coppes and his team turned their findings into an article and submitted it to the BC Medical Journal, where it was published in June, 2015.

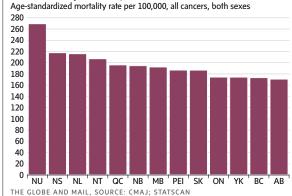
"The expected rise in new cancer cases and deaths between 2012 and 2030 is substantial and means B.C. will need to prepare for increased can-cer-related demands in laboratory and diagnostic services, surgical and radiation treatment, systemic therapy, pain services and palliative care," the au-





THE GLOBE AND MAIL, SOURCE: CMAJ; STATSCAN. QUEBEC 2022 IS EXCLUDED BECAUSE A DIFFERENT PROJECTION METHOD WAS USED FOR QUEBEC THAN THE OTHER REGIONS, MEANING THE ESTIMATES ARE NOT COMPARABLE.

Cancer mortality in Canada, 2022



FRIDAY, SEPTEMBER 23, 2022 | THE GLOBE AND MAIL O



thors wrote. "Given the complexity and growing cost of cancer care overall, a provincial strategy is needed to address future demand for services."

By the time Malcolm Moore replaced Dr. Coppes as BC Cancer president in the fall of 2015, the deteriorating working conditions at the organization had entered the political arena. Insiders were speaking out about growing wait times, surging staff burnout and plummeting morale that were compromising patient care, and the then-opposition NDP amplified the concerns in the legislature.

In an interview, Dr. Moore said his biggest worry when he took the post was that the system was already "pretty much full," with limited capital projects planned for new capacity.

jects planned for new capacity.

"To get approval for major capital projects and to build cancer centres is a five- or 10-year horizon," Dr. Moore said. "I was quite concerned about that, and inevitably, what that starts to do is it starts to reduce access."

In 2018, Dr. Moore submitted to the PHSA board a provincial cancer plan that highlighted as a key priority the creation of a quality council, an external body that would monitor and report on cancer system performance, such as wait-time metrics. The board did not approve the quality council.

"It wasn't that people said no; it was more that they didn't say yes," Dr. Moore said. He resigned from BC Cancer after 3 ½ years.

from BC Cancer after 3 ½ years.

"I'm impatient," Dr. Moore said. "I wanted to get things done, I wanted to build a system. I felt like I was concerned and motivated and wanted to make these changes, and I did get the sense that it was going to take a long time."

BC Cancer is a provincial, government-funded treatment and research organization, with six regional cancer centres in the province. The agency once had its own board of directors and a direct line to B.C.'s Ministry of Health, but it was folded under the umbrella of PHSA when the health authority was established in 2001.

Don Carlow, who served as BC Cancer president from 1994 to 2000, noted that B.C. led the country in five-year relative survival rates for several major cancers in the 1990s but has since plateaued while other provinces improved their outcomes. He is certain that B.C.'s performance is stagnating, and he attributes it to the change in governance structure.

"Cancer is buried within a bureaucracy, at about a third or fourth level of reporting, and the perception has been that there's greater focus on the bureaucracy than there is on the actual nature of the business that PHSA ought to be in, and that's delivering major programs, like cancer," he said.

Dr. Coppes felt similarly, saying that the extra "layers" of bureaucracy made him question whether the health care leadership of the province were aware of what was happening in cancer.

"In the past, the president of BC Cancer reported to the Minister of Health, one-to-one," he said. "When I came there, there was one layer, and then they added another layer. In my opinion, that is a reflection of how you view the significance of the cancer problem."

A request to interview PHSA president and chief

A request to interview PHSA president and chief executive David Byres was deferred to Kim Nguyen Chi, who was named chief medical officer at BC Cancer and vice-president of PHSA in 2019. (The agency did away with the title of BC Cancer president after Dr. Moore's departure.) Dr. Chi, a medical oncologist and an internationally recognized prostate cancer researcher, began his career at the agency in the late 1990s.

Dr. Chi acknowledges that B.C. is not currently equipped to deal with the projected surge in cancer cases. However, he's confident that a number of planned initiatives will meet the need. That in-

cludes \$41-million committed this year, and \$25-million last year to hire more general practitioners in oncology, licensed practical nurses, radiation therapists and other staff to build up team-based care. As well, 37 new oncologist positions have been announced in the past year, of which 23 have so far been filled. he said.

A 10-year provincial cancer plan announced by the B.C. government in 2020 also commits to build new cancer centres in Surrey and Burnaby, tentatively scheduled for completion in 2027 and 2028, respectively. Cancer centres in Kamloops and Nanaimo are in the concept planning stage. And a new lung cancer screening program, which began rolling out at 36 sites across B.C. in late May, is expected to

diagnose about 150 cases annually.

Asked about the agency's governance structure,

Dr. Chi said he has found it to be effective.
"I've been at BC Cancer my entire career, and so
I've witnessed the changes that have happened over

time," he said. "I can say that, at this time, I really feel that PHSA, the ministry, the minister – we're all in alignment about the need that exists and the urgency to improve on it."

Dr. Chi said he empathized with anyone navigation.

Dr. Chi said he empathized with anyone navigating a cancer diagnosis, and that he understood that even a day of waiting is stressful.

"I can't stress how much we – me and the entire system – want to shorten wait times as much as possible," he said. "But, of course, we do live in an age of wait times in a publicly funded health care system, so we're trying to manage those as best as possible."

A report on a national survey of oncology physicians conducted just prior to the COVID-19 pandemic, presented to BC Cancer leadership and obtained by The Globe, provides an illuminating look at how those working in B.C. perceive their working conditions compared to their counterparts across the

country.

"When compared to radiation oncologists working in other provinces in Canada, [BC Cancer] oncologists have the highest levels of disengagement and burnout among oncologists in the country," the report found. "The results indicated that [BC Cancer] oncologists reported serious issues with wellbeing, excessive workload and work environment inefficiencies."

Three-quarters of BC Cancer physicians surveyed felt that there were not enough physicians to meet workload demands, compared with 29 per cent of radiation oncologists in other provinces. BC Cancer physicians also reported less time to complete necessary work documentation, poor workplace efficiency and described their work atmosphere as "hectic and chaotic," the report found.

Respondents said the work environment could be improved with lighter workloads, more support staff – such as nurses, secretaries and radiation therapists – more efficient care models, and more resources available for patients, such as timely imaging and more radiation therapy resources.

The survey was authored by seven researchers, six of whom are members of the BC Cancer Medical and Dental Staff Association, with funding from the BC Cancer Medical Cancer Staff Engagement Society and the Canadian Radiation Oncology Association. One hundred sixty BC Cancer oncology physicians and 241 CARO members completed the survey, which was conducted between November, 2019, and March, 2020.

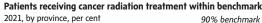
Dr. Chi said he recognizes the feelings that physicians were having at the time of the survey, and the fact that burnout likely worsened over the course of the pandemic. He believes the new hires, and the investments in building up team-based care, will alleviate those pressures.

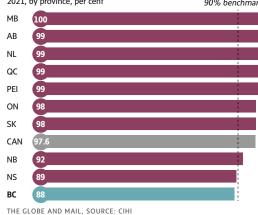
But with the cancer caseload growing every year and more capacity still at least five years away, it's a race against time some fear the province is losing.

"Survival outcomes have not kept pace and stress levels are high," Mr. Carlow said. "There will be further slipping in all parameters."

In Victoria, Ms. Glover completed 12 weeks of chemotherapy in the spring and began a targeted therapy that will be administered every three weeks for nine months. Normally an active, high-energy person, she now grapples with fatigue and a "chemo fog" that sometimes leaves her searching for words.

words.
"I hate it, I'm tired of it, but I guess I'm doing alright," she said. "Hopefully I'm alright. Hopefully the chemo has done its job. But you know who I worry about? There are a lot of people behind me that have cancer right now. So what's going to happen to them?"





Cancer survival gains are largest in Alberta and Ontario

Changes in the five-year Cancer Survival Index (CSI) estimates over time, ages 15 to 99, both sexes, selected provinces, from 1992-96 to 2013-17

ages 1		, oom sexes, selected provinces, nom 2552 50	0 2020 27
Prov.	Five-	year change in CSI (percentage points)	Net CSI (%)
Alta.	8.7		63.3
Ont.	8.6		64.1
N.B.	6.9		62.1
B.C.	6.1		62.5
Man.	6.0		62.2
N.S.	6.0		60.8
Sask.	5.9		61.6
Nfld.	5.9		61.8

THE GLOBE AND MAIL, SOURCE: STATISTICS CANADA

A12 | NEWS O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022

Taiwan prepares for possible military action

Experts predict China may be able to invade by 2027, question how U.S. might intervene

STEVEN CHASE TAIPEI

The thunderous roar of jet fighters taking off from the air base near Wang Ting-yu's house has become a familiar part of the Tai-wanese legislator's life. The other day, they launched at 6 a.m. local time, on their way to intercept Chinese warplanes that routinely harass the self-governed island.

Like many in Taiwan, Mr. Wang, a senior member of his Parliament's foreign affairs and defence committee, is getting used to a faster tempo of military action as the Asian territory prepares for 2027, the year when many in Taipei believe China will be capable of invading.

Beijing drew the world's attention in August when it encircled with Taiwan warships launched ballistic missiles over the island as part of live-fire exercises - drills initiated in response to U.S. House Speaker Nancy Pelosi's visit to Taipei. China regards Taiwan as a renegade province, even though the Chinese Communist Party has never ruled the island since taking power on the mainland in 1949. It bristles against what it considers foreign interference in the matter and has reserved the right to use force to annex Taiwan.

Beijing's August conduct, which Taiwan's government condemned as a dress rehearsal for an attack, has raised the biggest question facing military strategists today: How much time does Taiwan have left before China in-

The year 2027 looms large for Taiwan, which Chinese President Xi Jinping has vowed will one day be brought under Beijing's control. That's when, as U.S. Admiral Philip Davidson, then-head of Indo-Pacific Command, informed a Senate committee in 2021, China will have acquired the capacity to take Taiwan by force. Last week, CNN reported CIA deputy director David Cohen as saying that while Mr. Xi has not made the decision to invade Taiwan, he wants the People's Liberation Army to have the capability by 2027.

Taiwanese policy makers and military thinkers say they can't ignore the threat that 2027 will



Military personnel stand next to missiles prepared for weapon-loading drills at the Hualien air base in Taiwan's southeastern Hualien county. In August, Beijing encircled Taiwan with warships and launched ballistic missiles over the island as part of live-fire exercises. JOHNSON LAI/AP

represent. Nevertheless many hold out hope that they can dissuade Beijing, either by diplomacy or deterrence, to put off any timetable for invasion.

Alex Huang, the envoy to the United States for Taiwan's main opposition party, the Kuomintang, or KMT, said he believes through the right kind of negotiation and communication with China, a military attack on the self-ruled island could be delayed indefinitely.

"That's our goal, to kick the can down the road as much as possible because Xi Jinping won't be there forever," he said.

Ou Si-fu, a director at Taiwan's Institute for National Defense and Security Research, or INDSR, said a full-scale invasion could very well start like China's August military drills. In a war, PLA warships and planes encircling the island would first enforce a blockade designed to starve Tai-

wan of energy and food. The risk for Taiwan is a blockade alone might not rise to a threshold where the United States can justify getting involved.

Mr. Huang of the KMT, also chair of Taiwan's Council on Strategic and Wargaming Studies said he'd expect China would first launch missiles to destroy Taiwan's electrical power. This would ensure Taiwan's leadership could not copy Ukrainian President Volodymyr Zelensky in using social media and video conferences to rally support among compatriots or world leaders.

"There would be no Zelensky in Taiwan. ... You could not deliver a lecture or a speech in any parliament of any foreign coun-

With 2027 less than five years away, Taiwan is engaged in a race against time, acquiring new jet fighters and new battle tanks over the next few years, as well as domestically built submarines to harass the Chinese military at choke points at the north and south of the island.

Shen Ming-shih, the acting deputy chief executive officer of the Institute for National Defense and Security Research, noted that China's 21st Party Congress will be held in 2027, when Mr. Xi could seek another term or wran up his tenure as leader. "He needs a big achievement to say, 'Okay I already unified Taiwan so I can move to a fourth term.' Or, 'I can step down because the historic mission is done.'

In recent years, Taiwan has faced pressure from U.S. officials to dial back its purchases of bigticket conventional warfare as sets and pivot to unconventional warfare strategies that could harass and slow down an invading force. And so Taiwan is embracing what Mr. Ou calls a "porcu-pine strategy" designed to make a land invasion so difficult that China, which wants a quick victory to pre-empt U.S. intervention, would think twice.

American assistance remains the wild card.

In Washington, wargaming scenarios run since February in a project affiliated with the Center Strategic and International Studies found the United States, with support from Japan, could in most cases stop an invasion of China – but at a very heavy cost to both sides. The simulations found the United States would lose between 500 to 900 aircraft. two air carriers and 20 to 30 surface combatant ships.

In one scenario where the United States declined to get involved, Taiwan held out for twoand-a-half months before losing to China, said retired U.S. Marine Corps colonel Mark Cancian, a senior adviser at the centre.

The United States has maintained a policy of "strategic ambiguity" regarding Taiwan that does not make clear how it would respond to a military assault of the island.

But that appears to have shift-ed under President Joe Biden, who has three times now said Washington would come to the military aid of Taipei

Mr. Wang, a member of Tai-wan's ruling Democratic Progressive Party, said he believes Mr. Biden has retired "strategic ambiguity" and replaced it, for security matters at least, with "strategic clarity." While Washington will never take a position backing Taiwan independence, it's no longer being vague about whether it would lend a hand in a Taiwan Strait war, he said.

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Whether they sell Fairtrade bananas, cannabis, reverse mortgages or construction services, these companies are sure to give you expansion envy.

INSIDE **THIS ISSUE**

Step Into the Ring: Mirko Bibic took over the top job at BCE Inc. at a

time of unprecedented upheaval. And that was even before COVID-19, the Rogers Communications outage and, of course, l'affaire LaFlamme.

Mr. Fix It:

When Bay Street outsider John McKenzie took over TMX Group two years ago, his first job was to repair its toxic work culture. His next task: making Canada's capital markets great again.

Moving Mountains: Natural gas is on a

tear, putting pressure on the builders of the Coastal GasLink pipeline. But it still faces plenty of obstacles.

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Researchers estimate ant census count is 20 quadrillion

REBECCA DZOMBAK

Right now, ants are scurrying around every continent except Antarctica, doing the hard work of engineering ecosystems. They spread seeds, churn up soil and speed up decomposition. They forage and hunt and get eaten. You may not know how much you rely on them.

"Ants are the movers and shakers of ecosystems," said Nate Sanders, an ecologist at the University of Michigan, "Knowing anything about them helps us understand how ecosystems are put together and how they work.

"I would argue most ecosys tems would simply collapse without ants," said Patrick Schultheiss, an ecologist at the University of Hong Kong. As some naturalists worry about an insect apocalypse, scientists are racing to keep track of what's at stake. But they didn't know how many ants there are or where they live

Mr. Schultheiss and colleagues have a new ant census count: 20 quadrillion - 20 with 15 zeros following it. Ants outnumber humans at least 2.5 million to 1. Ant biomass is around 20 per cent of human biomass, or the mass of carbon from the nearly 8 billion humans now living on Earth. The ant biomass also weighs around 12 megatons, which is about the equivalent of two Pyramids of Gi-

za on a scale.

Their estimate, published Monday in the Proceedings of the National Academy of Sciences, assembled censuses of ants living or foraging at the surface that scientists had previously produced around the world. In more than 1,300 locations, ants were collected from leaf litter samples or in pit traps, which they fall into while foraging. The researchers used those counts to estimate the abundance of ants for different environments, including tropical

forests and arid shrub lands

approach, said Mr. Sanders, who was not involved in the study, but it hadn't been done before.

Previous measures of global ant population and biomass have been either approximations based on the planet's total insect population or extrapolated from particular parts of the world. Estimates for ants' total biomass had a wide range, from 2.5 megatons of carbon to 70 megatons. The new study instead took a bottomup approach, compiling all of the existing ant counts the authors could find and working up from

Mr. Sanders said the study's approach "is something that you can actually look at and logically get to the same point the authors

The true number of ants is almost certainly higher than 20 quadrillion because the new calculations only included a conservative estimate for arboreal ants, and excluded subterranean ants altogether, Mr. Schultheiss said. There were also fewer studies with the necessary methods from some parts of the world, such as central Africa and regions in Southeast Asia, while regions such as North America and Europe had more studies. As more research is carried out in geographic areas with ant gaps, as well as in treetops and soils, the ant count will grow.

'I wouldn't be surprised if it actually turns out to be an order of magnitude higher," said Sabine Nooten, an ecologist at the University of Hong Kong and co-author of the study. "We're just scratching the surface."

Getting an updated ant census vas an essential step for scientists to track any changes in the insects' ecology as they monitor global insect populations for declines.

"It's a great baseline that I hope will improve with time," Mr. Sanders said.

The study used a logical, solid NEW YORK TIMES NEWS SERVICE





The subject who is truly loyal to the chief magistrate will neither advise nor submit to arbitrary measures - Junius

Support your local hospital. Get boosted

hat are the essential things we know about CO-VID-19, its impact on our hospitals, and how vaccines can help prevent a case of the former from turning into a visit to the latter?

We know that the virus comes in waves and that another is likely this fall. We know that it is still killing about 200 Canadians every week

We know that Canada's hospitals are already overstretched, thanks in part to the fact that on any given day across the country this month, there were more than 4,000 people with COVID occupying much-needed beds.

We know that vaccines are highly effective at preventing hospitalization. We know that some of the new bivalent boosters that target the Omicron variant are now available in Canada. And we know that everyone over 18 should get a booster this fall to remain fully protected - a recommendation made by the National Advisory Committee on Immunization (NACI) on Sept. 1.

Knowing these things, a reasonable person would expect Ottawa and the provinces to be bombarding us with messages urging us to keep our vaccination status up to date, so as to lower our odds of COVID-19 sending us to the doctor, or the

After all, the health care system is overstretched as it is. Provinces are trying to help hospitals get over the damage from COVID, and to free up staff and beds for everyone from cancer patients to those whose elective surgeries have been postponed. The provinces also want to give beleaguered nurses and doctors a chance to catch their breath. Right?

If only. At the moment, a population struggling with pandemic fatigue is being met by government booster campaigns that range from underwhelming to non-existent.

In Ontario, the fact that the new bivalent booster will be available to everyone over the age of 18 on Monday, and that people can book appointments online, is the extent of the province's messaging on the matter.

The same goes for Quebec, where the bivalent doses have been available for people over age 30 since Sept. 8, and there are signs that (low) public interest has already peaked, at about 19,000 shots a day.

This is not good. Based on the NACI recommendation that people get a booster three to six months after their last shot (depending on their vulnerability), it won't be long before millions and millions of Canadians are walking around with less-than-optimal protection. In Quebec, for example, the percentage of people whose vaccination status is fully up to date has fallen to 21.4 per cent, according to La Presse.

It's a big comedown for a country that was a world leader at delivering the first two doses of vaccine. According to the Public Health Agency of Canada, 90.6 per cent of adults have had two shots; for people over 65, the figure is 97 per cent.

When the first booster campaigns launched late last year during the original Omicron surge, provinces set ambitious goals. Ontario alone wanted to boost as many as 350,000 people per day. While it didn't get there, it got close at times, and the shots helped diminish the flood of hospitalizations.

Canada's high vaccination rate is one of the reasons our COVID-19 death rate is among the lowest in the developed world, and three times lower than in the United States.

But that's ancient history. According to the Public Health Agency of Canada, just 349,456 people aged 12 and older received a second booster over the past four weeks. That's across the entire country, not just one province.

Canada needs to rediscover the drive that made its earlier vaccine campaigns so successful, especially among the most vulnerable - namely, older Canadians.

British Columbia took a stab at it when it announced it intends to deliver 280,000 booster shots per week this fall. Every other province needs to be at least as ambitious.

There are enough boosters to go around. Ottawa said Moderna is shipping 10.5 million doses of its bivalent vaccine to Canada just this month, and Moderna and Pfizer are close to submitting even newer formulations for approval from Health Canada. Canada also has plenty of first-generation shots for the nearly one in 10 adults who never got the origi-

Let's get back to the time when Canada led the world. Every Canadian who gets vaccinated or boosted this fall reduces the number of people likely to end up in our crowded hospitals. It's not complicated.



LETTERS TO THE EDITOR

REFERENDUM REPERCUSSIONS

Re Putin Plays Dangerous Game With Move To Annex Separatist Regions In Ukraine (Sept. 21): Russian referendums will likely be a major turning point in the war, if not world history. They will be accepted by the Kremlin and confirm Ukraine's eastern region as Russian territory.

NATO-backed Ukraine would have no choice but to retreat, or risk a major escalation in the conflict. But judging by the response from Volodymyr Zelensky and Western leaders, the territories would not be recognized.

Westerners would insist we cannot accept the result of sham elections - honourable, but irrelevant. Whether these referendums are legal or not would not change the outcome: Eastern Ukraine would be annexed by Rus-

Would the United States retreat from its involvement in Ukraine? This is my most important question; the answer even more

■ Paul Robertson Beausejour, Man.

Re Ottawa To End Vaccine Mandate, Make ArriveCan App Optional (Sept. 21): Now travellers can decide whether they want to spend a long time filling out ArriveCan forms or decide that they won't go through the hassle be-

cause it's optional. I wonder which one I'll pick. Which government ge thought this up?

Aidan Kiernan Kelowna, B.C.

I recently travelled to Britain and Ireland. I used the ArriveCan app to return, which involves a minimum of hassle if one has a smartphone and some amount of technical expertise. On another trip and return to Canada, we entered our information and scanned our passports at a kiosk. We then waited to see a customs officer,

essentially to repeat the process Why have we invested in all this technology if we're not really going to use it? Other countries employ an efficient "green lane/ red lane" process for "nothing to declare" arrivals, usually rein-forced by random secondary

Our elected members seem all about abolishing ArriveCan, but why wouldn't they go the next step and eliminate the need to screen every returning Canadian? Currently it looks like needless duplication and bureaucracy. John Megarry Collingwood, Ont.

READ ALL ABOUT IT

Re And The Pandemic Postmortem Begins (Sept. 20): Thanks to columnist André Picard for drawing attention to the Lancet

Commission report highlighting major global failings and "lessons learned" from the pandemic. I was prompted to read key sections of it, and then I pondered how best to articulate my support for the findings and recommen-

But then it struck me that my real wish is for every government leader, political and bureaucratic, who had a decision-making role in Canada's pandemic response, to set aside time to read it - all of it, and not just the summary that a junior staffer might provide.

I see no sign of political courage in Canada for our own inclusive, interjurisdictional inquiry. Considering the magnitude of what we have been through, is that too much to ask?

If making any margin notes, they might begin with, "Next time I will...

■ Rory McAlpine Victoria

FIRST IMPRESSIONS

Re Poilievre Focuses On Inflation During Question Period (Sept. 21): The to-and-fro between the Prime Minister and the Leader of the Opposition reminded me of high-school debate teams, where each captain tries to score "points" with sweeping generalizations and the occasional quickwitted jab.

Elected officials are supposed to represent the interests of their constituents. There are lots of issues affecting millions of Canadians, who don't have the luxury of six-figure incomes like our par liamentarians. They need their representatives, especially party leaders, to act like mature adults, find common ground and get the job done. High school was a long

time ago. ■ Mark Spurr Toronto

Watching Pierre Poilievre exchange words with Chrystia Freeland about Liberal tax increases, which I find nonsensical, demonstrated to me that he is a capable

leader and quick on his feet. He should keep fighting. I'm with him all the way.

Doug Wilson Burlington, Ont.

Re The Making Of Pierre Poilievre (Sept. 17): Pierre Poilievre says that Milton Friedman's Capitalism and Freedom, written in the 1960s, has been his seminal influence.

When I was at graduate business school in Alberta in the early 1970s, we learned of Dr. Friedman's theories about taxes and the social responsibility of corporations to make profit. Studies at the time showed that the biggest indicator for one's wealth was the wealth of one's parents.

Dr. Friedman's theories, then, are a recipe for inequality, and Mr. Poilievre's embrace of them is the single greatest reason that Canadians should not vote for him.

■ Doug Taylor North Vancouver

AFGHAN AFFAIRS

Re MP Calls For Probe Of Inauthentic Documents For Afghan Family (Sept. 22): For many years, Senator Marilou McPhedran has been one of the most committed human-rights advocates in this country. If the documents she sent to assist an Afghan family to come to Canada were inauthentic, she likely did it with the best intentions and no malice

It is unfortunate that these actions have caused this "mess." My thoughts are with the family stranded in Afghanistan who need refuge in Canada. Every effort should be made to bring them to safety.

This assault on the reputation of Ms. McPhedran should be unravelled, and the issue resolved as soon as possible.

S.F.M. Cullum Ottawa

Re Afghans Stranded In Pakistan Plead For Ottawa's Help (Sept. 19): The chances of a poor family getting out of Afghanistan are close to zero.

But it seems that Immigration, Refugees and Citizenship Canada cannot even offer much help to better-off families who have managed to get to Pakistan, and are in danger of being expelled back to the mercies of the Tali-

Michael Dettman Vancouver

Re Chinese Police Establish Stations Overseas (Sept. 22): From your article, I understand that Chinese police are working from private homes and federally in-

corporated non-profits. As I understand the Protocol on Foreign Criminal Investigators in Canada, Global Affairs Canada should have the lead on all such

GAC should have been contacted through diplomatic channels. If GAC did grant such permission, we should be asking the Minister

of Foreign Affairs about this. If no such diplomatic note was sent, we should expel these non-Canadian forces immediately, along with sending a note of protest to the Chinese government. James White Vancouver

GET AROUND

Re Get Smart (Letters, Sept. 21): Roundabouts may be good for cars, but they are a nightmare for pedestrians.

Louise Meagher Ottawa

Letters to the Editor should be exclusive to The Globe and Mail. Include name, address and daytime phone number. Keep letters under . 150 words. Letters may be edited for length and clarity. E-mail: letters@globeandmail.com

OPINION

MPs need meaningful work

If the House of Commons had real powers to hold ministers to account, its conduct might improve

ANDREW COYNE OPINION



n the days before Parliament's return, the press was filled with reporting and analysis with a distinct wrestling-announcer vibe to it. "A fall brawl looming in Parliament," one headline leered. "It's about to get louder," announced another. The first day headlines continued the trend: "Liberals and NDP waste no time in attacking Poilievre." On the other hand, "Poilievre goes after Liberals." Wait, wait – is that ... Elizabeth May's entrance music?
Of course, all that rubbing of

hands with glee at the blood-sport to come should not be tak-

en to suggest any lessening of concern with the lack of civility in Parliament. This is a traditional lament from the two groups most responsible for it, the media and members of Parliament. The CBC interviewed several MPs from all parties over the weekend who furrowed their brows at the partisanship and "combative language" in Parliament. "Why are we going to let an adult heckle another adult?" said one Conservative MP.

I can think of a hundred things wrong with Parliament, and heckling wouldn't even make the list. Nor, for that matter, would incivility, at least between MPs. We pay politicians for much the same reason we pay wrestlers, to act out a relatively harmless pantomime of combat for the rest of us. Parliament exists as a forum, with all of its quaint rules and customs, not to deny social conflict but to contain and channel it, to express antagonisms in stylized

Mind you, it would be easier to defend all the stagery that goes

rage and shaking of jowls, the moronic slogans and practiced taunts ("I'll take no lessons from the member opposite on" is a favourite) if it were actually about something – if there were anything actually at stake. But Parliament has become so irrelevant, and members of Parliament so impotent, that it is impossible to escape the impression that, if you will, the show is all for show. They fight, possible not for any difference it will make to anybody, but to give themselves something to do.

People who have no sense of purpose or meaning in life, there is much sociological evidence to suggest, are more likely to engage in anti-social behaviour. The person with meaningful work, and the sense of pride and place in society that goes with it, will be less inclined to act out: it would be beneath his dignity. But the person whose daily life is one long series of humiliations, arbitrary errands and demeaning rituals designed with no point in mind but to erase any lingering

sense of independence or human agency, will soon lose whatever self-respect they may once have had - though the person who actively seeks out such a life may be presumed not to have had a great deal of it in the first place. Such is the life of the average

MP. They cannot vote except as the whips (was ever a job more aptly named?) tell them. They cannot speak but the lines that are written for them. They can debate motions, but in the certain knowledge that no one is listening and no one's mind will be changed. They can ask questions of government ministers, but they know they will never get an-

They can move amendments to legislation, but only those the party has approved. They can put forward private member's bills, knowing that, in almost every case, they will never pass. They are obliged to pretend, all day every day, year in and year out, that everything their party says or does is brilliant and everything the party opposite says or does is at best dangerous and at worst

And at every burp their party leader emits in the House, they are required to jump to their feet, applauding maniacally. Who wouldn't start braying like a jackass in such circumstances? That's exactly how they are treated.

If we want better-behaved MPs, in short, we need to stop lecturing them about decorum and start giving them meaningful work to do. If the House of Commons had real powers - to hold ministers to account, to give legislation the close scrutiny it eserves, and to decide the fate of governments; if members of Parliament had real independence - to vote as their conscience or their constituents advise, to speak what was on their minds, to act as genuine legislators, rather than merely standing up and sitting down when they're told; if the whole thing had some actual significance, and MPs some legitimate role, then and only then might we expect the conduct in the House to improve.

Until then, let's get rrrrrrready to rrrrrumble!

The Liberals should be worried if Trudeau stays

KONRAD







or aficionados of Canadian politics, an admittedly declining species, the House of Commons matchup of Justin Trudeau and Pierre Poilievre is the main event of the fall season.

For the first time as Prime Minister, Mr. Trudeau faces a Leader of the Official Opposition who possesses communication skills that rival his own. Mr. Trudeau benefited from comparisons with previous Conservative Party leaders Andrew Scheer and Erin O'Toole, neither of whom could hold an audience. In Mr. Poilievre, he faces an opponent who can draw a crowd.

That has to be a major cause

for concern in Liberal ranks. Mr. Trudeau won three consecutive federal elections against Tory leaders who were relatively weak or, in the case of former prime minister Stephen Harper, irretrievably weakened. After seven years in power, and a series of scandals on par with those of Mr. Harper's government, Mr. Tru-deau's own popularity has plummeted, and his signature sunny ways are seen by many Canadians as inauthentic or worse.

Two polls released this week appear to confirm the worst fears of many Liberals. The Trudeau government's sharp leftward turn, underscored by its alliance with the New Democratic Party, seems to have persuaded many progressive voters to shift their support to the real deal. Surveys from both Nanos and Leger showed the Conservatives in the lead with the Liberals losing ground to a resurgent NDP. That is a political scenario made in Tory heaven.

Typically, the Tories win when



Prime Minister Justin Trudeau now faces a Leader of the Opposition, Pierre Poilievre, with communication skills that rival his own. BLAIR GABLE/REUTERS

the progressive vote gets split between the Liberals and NDP. Mr. Trudeau has won three elections by minimizing this split, in part by persuading enough progressives that only the Liberals can a Conservative victory. That strategy has worked particularly well in Quebec, where the Liberals won 35 seats in 2021.

If Mr. Trudeau remains leader. the Liberals are likely to resort to this strategy again in the next election. But it is far from clear if this tactic would be enough for them to eke out even a minority victory next time. After almost a decade of Trudeau rule, voters will be increasingly open to considering the alternatives. Centrist voters will look at Mr. Poilievre.

What they see will depend on whether the Conservative Leader succeeds between now and the next election in crafting a credible image as prime-minister-inwaiting. If he sticks to the script he used to win the Tory leadership, he will be a much easier ad-

versary for the Liberals to define. Mr. Poilievre began his leadership tenure by sending out a fundraising email to party members that did, indeed, stick with the script. "The Liberals want to stop me from becoming prime minister because they know I will get rid of their gatekeepers, defund the CBC, abolish mandates and make Canada the freest country on Earth so you can take back control of your life," he said in the email.

The steps Mr. Poilievre takes in the coming weeks, both inside and outside the House of Commons, will determine whether he can move beyond such empty sound bites. He offered precious little in the way of concrete policy proposals during the leadership campaign. Based on his rhetoric, you would have to conclude that, as prime minister, he would undertake a purge of the country's institutions so brutal and indiscriminate that Ottawa

That will go over well with Freedom Convoy supporters for whom the middle ground does not exist. Unfortunately, their sense of frustration was stoked by a Liberal government that chose to politicize public health measures. But Mr. Poilievre cannot just count on convoy supporters to win the next election.

It appears to have taken Mr. Poilievre's election as Tory Leader for the Liberals to recognize that the mandatory use of the ArriveCan app and COVID-19 vaccination requirements for international travellers had outusefulness, their though most reasonable Cana-dians understood that months ago. Mr. Poilievre will claim credit, but the government's move to scrap the measures is simply a victory for common sense, and science

Rapid response has never been the Trudeau government's strong suit. Except for its pandemic support programs - which were rolled out in record time and with remarkably few bureaucratic snafus, considering the unprecedented scale of the operation - everything this government does takes a very long time and yields underwhelming results. Big decisions get endless ly postponed. On foreign policy, Ottawa waits to see what other G7 and NATO countries do or say

It is hard to see anything changing if Mr. Trudeau sticks around. He, not Mr. Poilievre, could turn out to be the best weapon the Conservatives have got.

Why doesn't Pierre Poilievre seem to care about climate change?

GARY MASON OPINION



he pace at which the world is warming has nudged the planet perilously closer to a number of critical tipping points that could pitch global weather systems into irreversible decline.

That is the major finding of a new study out of Europe - one that has major implications for this country. Among the conclusions: the permafrost which covers almost half of Canada could soon completely thaw, releasing millions of tonnes of carbon emissions into the atmosphere.

And that would spell doom for the country's carbon-emissions reduction plan.

Of course, there isn't a day that goes by now without the re lease of more evidence detailing just how critically ill the planet is. We seem to be doing our best to try to kill it, while mouthing platitudes about the need to change our ways.

Which brings me to new Conservative Leader Pierre Poilievre.

He ran an entire leadership campaign basically ignoring climate change. Well, perhaps not completely: he talked about it in the context of promising to kill the federal carbon tax if he becomes prime minister. This, at the same time as he would clear any roadblocks in the way of building more pipelines "south, north, east, west," as he told a campaign audience in Calgary a few months ago.

While a lot of attention has been focused on some of Mr. Poilievre's more controversial statements and decisions - courting support among the so-called Freedom Convoy participants; promoting Bitcoin, promising to fire the governor of the Bank of - little has been said Canada about his complete lack of a clear plan for climate change.

Mr. Poilievre has said he believes technology holds the answer to reducing emissions, including some enthusiasm for carbon capture technology. But he would leave it to the provinces to figure out how to meet any federal targets. I can see a potential Premier Danielle Smith in Alberta smiling already over that idea.

But beyond that, Mr. Poilievre hasn't said how technology will help Canada meet its commitments under the Paris climate accord. (The federal government has stated it plans to reduce GHG emissions by 40 to 45 per cent below 2005 levels by 2030.) In fact, he refused to say if a government led by him would even honour those commitments.

'We will aspire for ambitious targets that are based on what is doable for our economy and our population," he said in April of this year.

A government can aspire to all sorts of things, but without meaningful rules in place, climate targets based on hope are meaningless. It seems clear that Mr. Poilievre won't do anything that impairs the economy in the slightest

Polls have consistently shown that a majority of Canadians are concerned about climate change

and support measures to rein in rising emissions and keep the planet from warming much more than 1.5 degrees C hotter than pre-industrial levels, a tipping point after which climaterelated problems become much

Since the Paris accord was inked, Canada has been the worst performer in terms of reducing emissions of any member of the G7. And that is on the government of Prime Minister Justin Trudeau, who proved that words are cheap. Now, at least, there seems to be a semi-credible reduction plan in place.

Mr. Poilievre is in a trickier spot. In March, an Angus Reid oll showed that just 12 per cent of his supporters believe climate change is a "top issue" facing Canada. And only last year, delegates at a federal Conservative convention voted against adding "climate change is real" to the party's policy book. That is the CPC base. But the views of that base are not aligned with the ma-

jority of Canadians During his campaign, Mr. Poi-

lievre went to Alberta and promised the province the moon: Pipelines in all directions; repealing Bill C-69 (dubbed the 'no more pipelines act" by Alberta Premier Jason Kenney); re-pealing the Liberals' tanker ban off the West Coast.

You can see where this is going already.

If Mr. Poilievre is serious about reviving the Energy East pipeline, there will be hell to pay politically in Quebec, which wants no part of the project. If he promotes another oil pipeline to the West Coast, there will be a tough price to pay politically in British Columbia too.

It's easy to tell people what they want to hear on the campaign trail – to tell Albertans that you will boost oil production, even if it damns the climate.

But Mr. Poilievre needs to be ware that a majority of Canadians will never support such an irresponsible position when the fate of the world is at stake. The Conservatives need to get serious about climate change, or accept losing elections as a general rule.

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WEEKEND WATCHING

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Maybe we should all worry, darling

There are glimpses of a sharper, more intriguing film within Wilde's thriller. The version that made it on screen is beautiful but empty

AMIL NIAZI

REVIEW

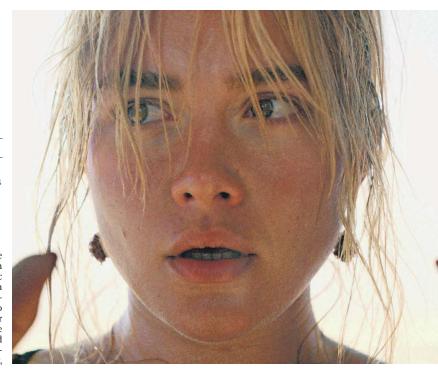
Don't Worry Darling CLASSIFICATION: 14A; 123 MINUTES

Directed by Olivia Wilde Written by Katie Silberman Starring Florence Pugh, Harry Styles and Chris Pine

s far as depictions of male rage go, cinema has given us no shortage of iconic and memorable portrayals, from Robert De Niro's quietly simmering psychopath in Taxi Driver to Brad Pitt's bombastic brutalizer in Fight Club. What both of these films did is take us into a world of rejection, isolation and alienation, where they could skewer, without excusing, the social cir-cumstances that breed a certain kind of dangerous man.

There is no doubt that director Olivia Wilde was hoping to do something similar with her second feature film, Don't Worry Darling, a richly shot but ultimately one-dimensional portrait of toxic masculinity, which never quite gets where it thinks it's go-

Set in a pristinely manicured and obscenely sunny develop-ment in the middle of the desert, the film immediately transports us to a beautiful, bygone era. The men all drive shiny, pastel convertibles and wear sharply tailored suits, while the women keep immaculate homes, spending their mornings cleaning and shopping and their evenings making dinner and drowning in cocktails. It is a kind of paint-by-



Florence Pugh is captivating as Alice in Don't Worry Darling, enriching this otherwise rote thriller with as much turmoil and betrayal as she can.

The film's many confusing choices ... make it clear that there were one too many Wikipedia tabs open when the script was written.

numbers version of the American dream, a juvenile idea of happiness and sexiness where wives serve dinner in heels and breakfast in oversized "men's"

We're glimpsing this world through the eyes of Alice and Jack, a blissfully married couple played by Florence Pugh and Harry Styles. Alice is happy whiling away the days gossiping with her neighbours Bunny (Olivia Wilde) and Peg (Kate Berlant), and her nights making love with Jack. In fact, we're meant think these two are so wildly passionate that not even one of Alice's multicourse meals can keep them from tearing each other's clothes off at the dinner table in a scene that became magazine fodder because of Harry Styles' - I mean Jack's - eagerness to please.

In many interviews about the film, Wilde has spoken about this moment in particular as summing up her approach to Don't Worry Darling, to centre on female pleasure as much as possible, which is a generous act in general. But in a film about the confines and contours of male entitlement, well, it doesn't quite make sense.

It is one of the film's many confusing choices - from Alice's sudden about-face about her seemingly idyllic life, to the eventual reveal of what it is they're all doing out there in the desert anyway - that make it clear that there were one too many Wikipedia tabs open when

the script was written.
Wilde has said real-life figures in the men's rights movement

like Jordan Peterson helped inspire the character of Frank (Chris Pine), the charismatic leader and de facto guru of this valley of guys and dolls. Certainly, Frank appears to be hiding something, though his brand of machismo doesn't come across as menacing so much as accidentally hilarious.

In one climactic scene, Frank promotes Jack into the senior leadership of the "Victory Project," the name for this community of acolytes Frank has built. In front of a worked-up group of colleagues and their docile wives, Frank is riling up Jack to perform an act of gratitude for the crowd. In Martin Scorsese's The Wolf of Wall Street, this is the point when the men would start pounding their chests. In David Fincher's Fight Club, it would initiate a brawl. Here, Harry Styles starts tap dancing.

As Alice begins to question what it's all for – how exactly she ended up in this simulacrum of a life, exemplified one morning at breakfast when the eggs she's using appear to be empty, breaking apart like hollow shells in Alice's hands - the tension builds toward a reveal that is so painfully obvious that it cannot help but

Luckily, Pugh is captivating as Alice, enriching this otherwise rote thriller with as much turmoil and betrayal as she can. Styles does his best to keep pace but it's hardly a fair ask. It's often difficult to know what Styles is meant to convey, whether we should pity or fear his character, or if he's even there at all. There are glimpses of a sharper, more intriguing film within the glossy, richly costumed walls of Don't Worry Darling, but the version that made it on screen is much like Alice's eggs: beautiful but

Special to The Globe and Mail

Don't Worry Darling opens in

Netflix's controversial Monroe drama is a precisely engineered nightmare

Famous Monroe

moments that are

burned into the

collective culture's

brain – her dress

billowing up during

the subway-grate

scene in The Seven

Year Itch, her

red-carpet

appearance for the

premiere of Some

Like It Hot - are

refashioned here into

slow-moving horror

shows.

BARRY

REVIEW



Blonde

CLASSIFICATION: NC-17: 166 MINUTES

Directed by Andrew Dominik Written by Andrew Dominik, based on the novel by Joyce Carol Oates Starring Ana de Armas, Adrien Brody and Bobby Cannavale

CRITIC'S PICK

irector Andrew Dominik makes achingly beautiful, heartbreaking films (The Assassination of Jesse James By the Coward Robert Ford, a pair of Nick Cave concert films). He also makes deliberately ugly, nasty ones (Killing Them Softly, Chopper). Blonde, the filmmaker's latest and infamously long-delayed production, is both. An extraordinarily cynical, meta-contextual epic

tracing the rise and fall of Marilyn Monroe, Dominik's movie is a supremely uncomfortable and brutal look at America's most beautiful woman.

Loosely adapting Joyce Carol Oates's 2000 novel – which is less a straight biography of Monroe as a way for the author to use the actress as a heavy-duty metaphor for all of America's many cultural ills, a sort of Moby Dick in a rhinestone-covered dress Blonde is a precisely engineered nightmare. From Monroe's childhood to superstardom, Dominik presents her as a passive victim of never-ending tragedy: neglect, abuse, heartbreak, addiction. And in doing so, Dominik creates a cinematic experience so repellent that it is destined to be loathed and misunderstood,

written off as crass and opportunistic just like those who profited off Monroe's body during her own life.

But while there are moments - long stretches, actually - where Dominik jumps the distance from critiquing cinema's capacity for exploitation to being an active participant, the ultimate effectiveness of Blonde cannot be dis-

If you have the patience and stomach to engage with the intentionally problematic conversation that Dominik is trying to have, then the film's payoffs are as grand as any of Monroe's on-screen performances.

Shot in a variety of aspect ratios, film stocks

and colour schemes, Blonde is as much a movie about an actress as it is about how the image of that actress was finessed, contorted and manipulated by those with the power to

Famous Monroe moments that are burned into the collective culture's brain - her dress billowing up during the subway-grate scene in The Seven Year Itch, her red-carpet appearance for the premiere of Some Like It Hot - are refashioned here into slow-moving horror

At times breaking the fourth wall - star Ana de Armas's voice sometimes shifts from the all-American coo of Monroe to the actress's own Spanish-accented self – and at other moments confident that there are no walls in American pop culture at all, the film is as fiercely ambitious and alienating as the industry it is skewering.

At its best moments, though, Dominik's confrontational aesthetics meld perfectly with the fierce performances of his cast, starting with a powerful de Armas, who never once lets the many iterations of her character get away from her control.

But Adrien Brody (playing Arthur Miller, here only named "The Playwright") and Bobby Cannavale (Joe DiMaggio, or The Ex-Athlete") also make surprisingly lasting impressions, with the former finding a disturbing through-line of delusion in his devotion to Marilyn, and the latter pummelling the screen with a brutishness that is primal, revolting, unforgettable.

Inevitably, audiences will be tip-toeing over to Blonde out of the same kind of salacious curiosity that originally drew moviegoers to Monroe.

Namely: Just what did Dominik do here to earn the film the dreaded NC-17 rating in the U.S.? It turns out, not an awful lot - at least not in the way that panting flesh-hounds might expect.

There are two harrowing abortion sequences in the film that employ what I'm going to politely call a vaginal point-of-view, and there is another late-film scene in which Monroe is seen – obliquely – performing forced oral sex on John F. Kennedy (excuse me, "The Presi-These are moments that will not corrupt

oung viewers, only rightly traumatize them. Which is, of course, Dominik's intent. Life can be ugly, even - or rather especially

when captured on camera.

Blonde opens in select theatres on Sept. 23; streaming on Netflix starting Sept. 28.

Eternal Spring traces persecution of Falun Gong with brilliant ease

AMIL NIAZI

REVIEW

Eternal Spring CLASSIFICATION: N/A; 86 MINUTES

Written and directed by Jason Loftus

CRITIC'S PICK

rom the very first scenes of the Canadian documentary Leternal Spring, you're thrust into a thrilling, all-consuming

film that challenges traditional documentary tropes and finds a way to tell a winding, difficult story with brilliant ease

Opening on the scene of a mass arrest taking place in Changchun, China, the tension and suspense of this moment are captured at a pitch-perfect pace by the anima tion style, which conjures both traditional Chinese comics and Grand Theft Auto. The action itself could be taking place in any classic Tarantino film. But it's soon clear this is not a heated thriller, but a heartfelt journey to reconnect to the past and unearth uncomfortable, but necessary

Written and directed by Jason Loftus, Eternal Spring follows exiled comic artist Daxiong, a practitioner of Falun Gong, whose animations are revered internationally. Daxiong fled Changchun shortly after members of Falun Gong hijacked Chinese state TV to broadcast an alternative message about the religion to citizens who had up until then been told Falun Gong was a harmful, dangerous practice. Although Daxiong was not involved in the hijacking itself, he was considered an insider and police were following him closely enough that he felt he had no choice but to leave his beloved

childhood city.

As he first tells it, Daxiong has always felt strongly that the actions of the hijackers were wrong, as they only heightened the per-secution Falun Gong members were facing and led to thousands of arrests, mass torture and deaths. But he's nonetheless committed to telling this story, to "cre-

ating art based on a shared memory," as he puts it, and so he tracks down surviving witnesses to piece together what happened March 5, 2002, and bring it to life with his animations.

That unprecedented breach of Communist Party control made international headlines and led to about 2,000 arrests. Falun Gong members, most unconnected to the event itself, were shot at, tortured and forced to recant their beliefs under duress.

Mixing traditional documentary styles with animation and archive video, Eternal Spring blends this mixed media in such a personal way that it's impossible not to be moved by the stories of these survivors and the ones they've lost. By the end, even Daxiong finds himself reconsidering his earlier views on the hijacking, and comes to see it as an act of love, rather than a painful disruption. He's determined to paint a different picture, quite literally, of these everyday heroes who risked it all to bring their truth to the public. In fact, he sees in these men and women the same attributes he saw in the warriors of the comics he so loved in his youth.

It's easy to see why Eternal Spring is Canada's official selection for 2023 Oscar consideration in the best international feature film category. Many Falun Gong refugees came to Canada after persecution in China, including Daxiong himself, who now lives in Toronto with his family.

Watching these painful, shared memories come to life, seeing up close as the few who made it out are able to pay homage to those who didn't, it's hard not to think of all those who continue to be punished for practising their beliefs in China, from the Falun Gong practitioners to the Uyghur Muslims. Perhaps a film like this can illuminate what is lost in shadow, much like the hijackers did on that night in 2002. Either way, their message is being rebroadcast in the loudest possible way with Eternal Spring.

Special to The Globe and Mail

Eternal Spring opens in select theatres on Sept. 23.

Lena Dunham goes medieval on girlhood

Director adapted new picture from YA novel about a precocious girl in 13th-century England

SARAH-TAI BLACK

REVIEW

Catherine Called Birdy
CLASSIFICATION: N/A; 108 MINUTES

Directed by Lena Dunham Written by Lena Dunham and Karen Cushman Starring Bella Ramsey, Andrew Scott and Billie Piper

CRITIC'S PICK

ena Dunham's Catherine Called Birdy is a delightful and rambunctious exploration of girlhood, and, thankfully, a sharper look at questions of burgeoning sexuality than we saw in her earlier 2022 film, Sharp Stick.

Adapted by Dunham from author Karen Cushman's YA millennial favourite of the same name, the film follows its titular Birdy (Bella Ramsey), a precocious and sharp-tongued 14-year-old girl living in the 13th-century English shire of Lincoln.

As the only daughter of Lord Rollo (played here wonderfully by Andrew Scott) and Lady Aislinn (Billie Piper), Birdy is set to marry a suitor of her parents' arranging, if only so that her dowry may offset the exorbitant expenditures of her flighty father. Along with this life-changing decision comes the arrival of Birdy's period, which she attempts to hide from her family in a series of amusing and ridiculous ways. It is a coming-of-age rite that is unwelcome and relatable in the ways it alienates Birdy from the relative freedoms of her childhood.

Dunham doesn't shy away from imbuing her film, despite its medieval setting, with a winking, anachronistic sense of humour. While certainly of a time and



Bella Ramsey plays the precocious daughter of a lord in Catherine Called Birdy. ALEX BAILEY/AMAZON STUDIOS

place, Catherine Called Birdy is a timeless story of defiant girlhood (author Judy Blume comes to mind, as do the 90s film adaptations of Harriet the Spy and Matilda). The film's soundtrack – with lo-fi pop covers of beloved songs such as Mazzy Star's Fade Into You – likewise adds to the nostalgic tone established by Dunham

tone established by Dunham.
Ramsey (best-known for Game of Thrones) is an invigorating onscreen presence, tossing out barbed one-liners as often as she does insightful critiques ("Men are horribly duplicitous creatures!" and "if I cannot be a hero, I will love a hero instead"). Birdy's mischievous attempts to thwart her potential suitors (from employing foraged "salves" of feces to full-on arson) are buoyed by her continued understanding of her place in the world.

Birdy is perpetually repri-

manded for not being cleaner, gentler or softer, but she remains determined not to be reduced to only what is expected of her ("Clean for my suitors, but full of dirty rage!"). She is quick to point out the many absurdities of the whole gendered charade, while also willfully navigating how her life has been, and will continue to be, constrained by her very own nature.

While Catherine Called Birdy is a fun period romp (no pun intended) rife with amusing antics, it is also an earnest look at the necessity of carving out spaces of play and pleasure in a world that demands an inherent dispossession of one's self. What it does best is show, with kindness and glee, the urgencies of a childhood wherein everything is a succession of firsts – from periods to crushes.

Whether it's the film's running

bit regarding what exactly a virgin may or not be (Birdy has many guesses, all of them endearingly naive) or the realization that she can't marry her beloved uncle George (a survivor of the Crusades who, notably to the young girl, is blessed to be in possession of most of his teeth), Dunham guides us through Birdy's contemplations with an embracing sense of deference.

Notably, this is director Dunham's first departure from stories of the contemporary, twenty-to-thirty-something set. A figure as polarizing as she is lauded, Dunham uses *Catherine Called Birdy* to finally hang up her hang-ups; here, cringe is par for the course in the shaping of lighthearted adolescence rather than an exercise of emotional endurance.

While the film is perhaps the least challenging or prickly of

Dunham's work so far, it is also the most certain and well-developed, with a smart and plucky script that seems more than happy to meet the fantastic potential of its earl.

of its cast.

Dunham has shaped a story world that is charming and whimsical, without reducing it to twee, while also keeping a full-hearted regard for its characters. There is a sincerity here that is unafraid of itself and – in what is most certainly a love letter to the beguiling and tumultuous affair that is girlhood – Catherine Called Birdy feels unique and special in a way that speaks directly to Birdy and other uncontainable girls like her.

Special to The Globe and Mail

Catherine Called Birdy opens in select theatres Sept. 23; streaming on Prime Video starting Oct. 7.

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FIRST PERSON

THE ROMANCE OF SILVER



ILLUSTRATION BY CHELSEA O'BYRNE

Seeking a payday in London's Silver Vaults provided some solace in memories of Mum, **Beth Kaplan** writes

Perhaps the hunt for old English spoons

was a search for

her country and her

past, or her

acknowledgment of

an ease with money

and consumption

that her parents

never had.

own I went, down the stairs into an underground cavern, stepping through heavy steel security gates with an armed guard keeping watch. I was entering the London Silver Vaults, a unique shopping mall beneath Chancery Lane, the largest retail offering of old and new silver in the world. Scores of silver dealers in a row, one after the other in their individual "vaults," shop after small shop filled with glittering treasure, the dealers looking out hungrily at the few shoppers strolling by, including me. At the back of some shops, almost out of sight, were workers busy polishing, polishing, polishing, Mole people, I thought, who rarely see the sun.

I could see myself reflected in platters and bowls, ornate tea sets and silver-framed mirrors as I walked past, looking for the cutlery specialist. Deep in my handbag was my mother's special antique spoon, wrapped in a soft blue cloth.

My beautiful six-foot-tall mother loved and collected old English silver spoons. She had many collections, including, to name a few, magazines, recipes, clean empty yogurt containers, knee-high stockings, letters, cut-out newspaper articles, dressy white blouses, and unopened perfume bottles given to her through the decades as gifts. But her favourite collection was British spoons. In the 24

collection was British spoons. In the 24 years between my father's too-early death at the age of 65 and her own death at 89, she haunted antique stores, thrift stores, estate sales and open-air markets. She bought miniature lead farm animals, pretty ceramic jugs, vases, pots and many other things. But most of all, she hunted spoons.

Mum knew all the hallmarks stamped on the handles, like the "lion passant," that means genuine British sterling, and the "crowned leopard" made in London before 1820. She carried a large magnifying glass in her

ried a large magnifying glass in her purse so she could inspect and check. Size didn't matter; she bought delicate coffee spoons, slender soup spoons, heavy serving spoons and the occasional ladle. She bought a stuffing spoon with an extra-long handle for shoving into the cavity of a turkey or goose, and, in a fanciful moment, she bought some ornate silver fish knives. The collection grew.

Why did my mother nurse this particular fixation? She'd grown up in an English village; her parents, the village schoolmasters, were respectable but poor and the family had little money and no luxuries. They did own a few lovely family heirlooms: a needlepoint sampler from 1846, Nana Bates's silverplated teapot. After the war, to the huge disappointment of her parents, my mother immigrated to North America, married my American father and stayed in the New World. But even after a lifetime in Canada, she remained British to her core. Perhaps the hunt for old English spoons was a search for her country and her past, or her acknowledgment of an ease with money and consumption that her parents never had.

In any case, she loved her spoons.

But strangely, she did not use or display these cherished items. Although after Dad's death she lived on the 12th floor of an Ottawa condo building with a locked main entrance, still, Mum was paranoid. She was afraid thieves would come for her

spoons. Wrapping them carefully in cloth or soft bags, she stored them under old winter clothes in a locked trunk in her cleaning-supplies cupboard.

I thought she was crazy. My brother and I had no interest in old British silver of any shape or size, and I couldn't understand my mother's passion for cutlery and her other obsessions. I wanted her to stop shopping and to use and enjoy what she already had. Occasionally, when I'dflown in from Toronto to visit, she'd take her treasures out to show me, to polish and to add new ones to the stash. I saw that she'd helpfully attached little labels, I guessed for us when she was no longer there. "1810 soup ladle bought in Victoria, gorgeous Georgian," said one. "Stuffing spoon, 1812, London, beautiful shaped handle."

One, in particular, she was especially proud of and liked to show off, the oldest of them all, she explained, probably from the late 1600s. As I felt its smooth weight in my hand, I realized the great diarist Samuel Pepys might have slurped his soup from this very spoon and felt a hint of her excitement.

After she died, my brother and I had the huge job of sorting through her treasures and non-treasures. One day we opened the trunk and hauled out the heavy silver stash. We each chose a bit for ourselves, although mostly, because neither he nor I had much money, we were hoping to sell the bulk

money, we were hoping to sell the bulk of it to an antique dealer. Disappointment was immediate. Nobody, we discovered, wants silver these days, too much work to polish. Dealers will buy even beautiful pieces of antique silver only by weight, to melt them down.

My mother would weep. All those hours of searching and purchasing and polishing and, occasionally, admiring. No, we couldn't allow her finds to be destroyed. We sold a few clunky pieces neither of us liked and divided the rest to keep.

the rest to keep.

But we still had hopes for that pre-

cious Samuel Pepys spoon and I decided to visit friends in London and see if I could sell it there. Hence, the Silver Vaults. This rare treasure, my mother's greatest find, would surely excite a dealer. He'd offer a ridiculous amount for it, and my brother and I would toast Mum and her magnifying glass with champagne.

"Oh, I have loads of those," said the cutlery man,

"Oh, I have loads of those," said the cutlery man, glancing at the treasure I'd pulled from my purse and unwrapped. "From the mid-1800s. I'll give you £40."

unwrapped. "From the mid-1800s. I'll give you £40." Less than Mum paid for it. A reminder that sometimes, about this and other things, my mother could be wrong.

I thanked him, rewrapped the spoon and walked up out of the Silver Vaults into the sun. Wherever I went in my travels that spring, Mum's spoon came with me. At home, I put the once-special implement with the others in the drawer with cutlery I use every day. Now I don't even remember which one it is.

But every time I slurp my soup with a newly polished Georgian spoon or stuff our Christmas turkey with the one with the long beautifully shaped handle, every time I dust my own collections, displayed on open shelves – Fiestaware, baskets, folk art, old children's books, scores of framed family photographs – my mother, with all her brilliance and all her flaws, is with me.

Beth Kaplan lives in Toronto.

First Person is a daily personal piece submitted by readers

Have a story to tell? Please see the guidelines on our website tgam.ca/essayguide, and e-mail it to firstperson@globeandmail.com

TODAY'S SUDOKU SOLUTION

2	1	7	3	9	6	4	8	5
6	5	3	7	4	8	1	2	9
9	4	8	2	1	5	ვ	6	7
8	2	6	4	3	7		9	1
4	7	9	1	5	2	6	3	8
1	3	5	8	6	9	7	4	2
3	8	2	6	7	1	9	5	4
7	9	4	5	8	3	2	1	6
5	6	1	9	2	4	8	7	3

TODAY'S KENKEN SOLUTION



As it opens its centennial season, TSO has found a formula that works

MICHAEL ZARATHUS-COOK

REVIEW

he last time the Toronto Symphony Orchestra performed Rimsky-Korsakov's *Scheherazade* – February, 2020 – it was paired with Rachmaninoff's Piano Concerto No. 2 in a program that opened with a three-minute suite for orchestra. *Scheherazade* returned in this opening concert for the TSO's 100th-anniversary season, this time paired with a three-minute Prelude for orchestra ... and a different Piano Concerto No. 2.

At first glance, this might seem like simply rinsing and repeating a program taken from those fraught weeks before the initial pandemic lockdowns, when little attention was being paid to anything but case counts. On second glance, you'd notice that this is less a case of recycling concerts and instead proof that the orchestra has found a consistent formula that works: Come for the old but stay for the new. Credit to Gustavo Gimeno, the new conductor, whose talent for matchmaking freshly commissioned works with perennial favourites has breathed new life into an institution on the cusp of its centenary.

This opening program is a colourful glimpse into the TSO's trend toward maintaining a delicate and often difficult balance between the local and historical. The Prelude, commissioned by the TSO, was composed by Kevin Lau, who emerged from the audience to receive an ovation from his fellow Torontonians. The brevity of Lau's The Story of the Dragon Gate, based on a fable extracted from Chinese mythology, is balanced by its enormous proportions. Scored for a massive orchestra, there's barely a square foot of the stage unoccupied by the carnival of instruments in the orchestration.

The work is the launching pad for a nearly two-hour concert that's loosely driven by the motif of flight. While Lau's piece strikes a celebratory stance with its upward thrusts propelled by a muscular string section, it is followed by a more sombre take on the theme of fearless ascension. Contemporary composer Lera Auerbach's symphonic poem *Icarus*, likewise inspired by mythic literature, traces the tragic parabola of the title character's flight and fall. This combination of boundless optimism tempered with a cautionary tale is exactly the kind of pandemic-era realism we should demand from thoughtful programming.

gramming.
Chopin's Piano Concerto No. 2 marked the border between the old and new in this program, but even here there was a crisp green sensation of a new beginning: Pianist Bruce Liu has arrived, brace for impact. The Montreal-raised pianist won first prize at last year's Chopin Piano Competition in Warsaw, so the TSO is right to have opened the curtains of their new season with this homegrown wunderkind in tow. There's no question that he can play Chopin convincingly – that was settled in Warsaw. The reason he's box office is because of everything else they can't teach you: swagger, mixed with a sincere devotion to the music flowing out of his hands. Two standing ovations after his performance, he left us wanting more by garnishing his exit with an encore via Chopin's Etude Op. 10, No. 5. Again, come for the same old Chopin, but stay for the emerging talents that are attacking the music with a newfangled ferocity.

An orchestra that can deliver Scheherazade on any given night is worth every ticket it sells, and then some. This orchestral suite is the Super Bowl of the symphony – it has everything from pre-cipitous stringencies to extravagant lyricism. To pull it off, you need a peculiar jiggle in your soul. The work is a tense tête-à-tête between a snake charmer on principal violin (Ionathan Crow is irreproachable as always), a ventriloquist on the podium (the fluidity of Gimeno's gestures is mesmerizing), and a deranged sultan voiced by the brass section. Yes, the subtext is problematic – a concubine must tell 1,001 fables over as many nights to prevent a sultan from killing her - and even the composer tried to deflect away from this source material back in 1888. But when it's performed this well, with such explosive precision on percussion, and a deliciously melodic lilt on woodwinds, we can afford to forget briefly the attendant bag-

At a TSO concert four years ago, music critic Robert Harris shrugged off my question regarding the alleged threat of classical music's increasing irrelevance with: "Nothing else can do what this music does." I agree, and programs like this push the boundaries of what this genre can do. If this inaugural concert indicates the path being charted by the orchestra's new leadership, then the TSO – and the thousands in attendance on opening night – has nothing to worry about. Creating consistent space in your programming for the new, the diverse and the local is a formula that works. Feel free to rinse and repeat as frequently as you can get away with.

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BRIDGE

BY STEVE BECKER FRIDAY, SEPT. 23, 2022

You have the following hand, both sides vulnerable:

♦ QJ75 ♥ 6 ♦ K1042 ♣ A875

1. You pass, left-hand opent passes, partner Spade, and your bids ponent passes, your right-bids Two One opponent hand What would you Clubs. bid now?

2. Partner bids One Notrump, and your right-hand opponent

CHALLENGE CROSSWORD

bids Two Hearts. What would you bid now?

3. Partner bids One Notrump, and your right-hand opponent bids Two Diamonds. What would you bid now?

4. Partner bids One Heart, you respond One Spade, and partner jumps to Three Diamonds, which you raise to four. Partner next bids Four Spades. What would you bid now?

1. Four spades. Your hand has improved to the point where you should think that game in spades is a favourite to make, so you should bid four spades straightaway. Alternatively, if you happen to play "splinter bids," you could bid four hearts, indicating spade support with a singleton or void in hearts, which could conceivably be the key to reaching a good slam if partner has the right hand.

2. Three hearts. Most players treat a non-jump bid of a new suit in this sequence as competitive and not forcing, so it is better to make a bid that leads to game. You hope partner will answer three hearts with three spades, which you will happily raise to four. If he rebids three notrump, indicating heart strength, you plan to pass, while if he bids four clubs or four diamonds, you will raise to five.

3. Double. Game is not absolutely certain, so it is best to grab the sure profit by making a penalty double. You can probably beat two diamonds two or three tricks.

4. Five clubs. Slam is certainly possibility, and the question how best to try to reach it. Five clubs shows first-round control of that suit and interest in a slam; if you were interested only in game, you would bid five diamonds over four spades.

The next step is up to partner. If all he does next is bid five diamonds, you must pass because vou cannot be sure of losing only one trick.

8 9 10 12 11 13 14 15 16 17 19 23 21 22 24 25

CRYPTIC CLUES

ACROSS

- Base and vicious, 1 determined to annoy (7)
- Accumulate a great amount (5)
- They're square sundials for example (3-6) All's not all we hear (3)
- 10 Blue fluff? (4)
- It sounds highly 12
- unnatural (8) It is involved with a plan
- that is flexible (6) Warning a worker is about to fight (6)
- Modifying integral structure (8)
- Accustomed to being 18
- exploited (4) It is charged for a portion without wine (3) 21
- Bess prays desperately but 22
- none of them will stop (7-2) Back a favourite I'd
- found not so hot (5) Provoked with rash outcome possibly (7)

DOWN

- 1 One's young; one has to meditate (5)
- Such a cheque will bounce up and down (3)
- Arrange live coverage (4)
- Tiny raised inlay that may have to be made up (6)
- A ship beset by changing tides gets helped (8) Dogs give assailant
- trouble (9)
- Undistinguished character (7) Document having
- got to double figures is praised (7,2)
- Courageous Pinter play 13 I'd taken to heart (8)
- A grand player perhaps 14
- from his score (7) International group is performing in concert (6)
- Wood spirit (5)

Solutions to today's Sudoku and Kenken can be found in the Life & Arts content area of the A section. Crossword solutions will be with tomorrow's puzzles

- 20 Hide from shower (4)
- 23 Source of light initially (3)

QUICK CLUES

- ACROSS Ask earnestly for (7) Footwear (5)
- Aware of what's going on (2,3,4) A deciduous tree (3) Pleasurable thrill (4)
- 12
- Liberty to act at will (4,4) In full view (6) Intellectually gifted (6) 15
- Have increasing success (2,6) Humiliating rebuff (4) 17
- Perform a part (3) Stir oneself (5,1,3) 22
- Tense situation (5) Quell (7)

DOWN

- Patch of oil on sea (5) Large amount (3)
- Ship's complement (4) Cheap and gaudy (6)
- Balanced proportions (8) Manner of functioning (9)
- In due course (7) Queen of Egypt 47-30BC (9)
- Utterly perplexed (3,2,3) Defensively watchful (2,5) Mend (6) Sham (5) 16 19

13

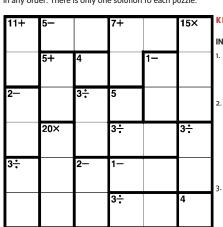
Ooze (4) Be situated (3)

SUDOKU

DIFFICULTY RATING: ★★★★



INSTRUCTIONS Fill in the grid so that each row of nine squares, each column of nine and each section of nine (three squares by three) contains the numbers 1 through 9 in any order. There is only one solution to each puzzle.



KENKEN

NSTRUCTIONS Each row and each column must contain the numbers 1 through 6 without repeating.

The numbers within the heavily outlined boxes, called cages, must combine using the given operation (in any order) to produce the target numbers in the top-left corners.

Freebies: Fill in single-box cages with the numbers in the top-left corner.

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YESTERDAY'S CRYPTIC

ACROSS: 1 Trainers, 5 Ages, 9 Straw, 10 Presage, 11 Demonstrated, 13 Absent, 14 Oregon, 17 Single-minded, 20 Brownie, 21 Ibsen, 22 Eden, 23 Hedgerow. DOWN: 1 Tess, 2 Airless, 3 Newfoundland, 4 Repose, 6 Grant, 7 Speeding, 8 Heartrending, 12 Passable, 15 Greaser, 16 Impede, 18 Noose, 19 Enow

ACROSS: 1 Circular, 5 Thug, 9 Usual, 10 Scapula, 11 Concert pitch, 13 Insist, 14 Egoist, 17 Holy of holies, 20 Redress, 21 Cater, 22 Weep, 23 Playmate. DOWN: 1 Crux, 2 Raucous, 3 Ugly customer, 4 Assure, 6 Haunt, 7 Graphite, 8 Happy-go-lucky, 12 Highbrow, 15 Inertia, 16 Chisel, 18 Ladle, 19 Free.

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Oil sands putting profits ahead of lower emissions. report says

CALGARY

Canadian oil sands companies have done little to follow through on their public pledges to reduce their greenhouse gas emissions, despite raking in historic profits in

Instead, companies have spent big on share repurchases and dividend payments, forgoing investments in emissions-lowering technologies that could help future-proof their operations in a

Competition for the supply of low-emissions energy is set to heat up this decade, as more countries make net-zero commitments and shift to greener economies. Thus, energy companies that undertake deep emissions reductions now are likely to be more competitive in a low-carbon future – including Canada's oil sands producers.

The study, to be released Friday by the Pembina Institute, comes more than a year after an industry group representing about 95 per cent of production in Canada's oil sands announced its plan to get operations to net-zero greenhouse gas emissions by 2050. The institute examined the decarbonization promises made by each company in the Pathways Alliance, and compared them with actions the companies are taking to reduce their carbon footprint. OIL SANDS, B9

EMMA GRANEY ENERGY REPORTER

2022, a new analysis shows.

net-zero world.

Ottawa launches long-awaited review of the **Cannabis Act**

IRENE GALEA DAVID MILSTEAD

More than 300 days past the legislated date, Ottawa has said it will begin its review of the Cannabis Act in order to assess the effects of legalization on health outcomes.

Announced at a news conference Wednesday by Health Minister Jean-Yves Duclos and Minister of Mental Health and Addictions Carolyn Bennett, the review will look at what the act has meant for public health, focusing on the consumption habits of young people and the impact on Indigenous communities.

The review is expected to take 18 months and will consider more than just health issues; it will also assess financial tax regulatory and criminal-justice mat-

While the industry's financial viability will be considered by the five-member review panel, "the main focus is the safety and the health of Canadians," Mr. Duclos said.

"This is a priority. Everything else is secondary to securing the health and safety of Canadians."

Morris Rosenberg, a former president and CEO of the Pierre Elliott Trudeau Foundation, will chair the panel.

Mr. Rosenberg, a lawyer, was deputy minister of Health Canada from 2004 to 2010 and also served as deputy minister of justice and deputy attorney-general

of Canada. Health Canada is still recruiting the other four members of the panel.

The review was supposed to take place last October, three years after legalization.

■ CANNABIS, B9

-{ TELECOMMUNICATIONS }



COGECO BULLISH ON U.S. STRATEGY

Less than a decade after entering the market, earnings from its U.S. business make up 50 per cent of the company's total revenue ■ вз

Philippe Jetté, president and CEO of Cogeco Communications, says the cable company learned lessons from a failed move into Portugal before it launched its U.S. expansion. CHRISTINNE MUSCHI/THE GLOBE AND MAIL

Ontario's new rules governing financial advisers contain significant flaws, industry groups say

CLARE O'HARA

WEALTH MANAGEMENT REPORTER

A group of investment industry organizations and consumer advocates is taking aim at the Ontario government's move to regulate the use of financial adviser and financial planner titles, saying regulators have set the bar too low for financial professionals to be approved, placing Canadian investors at risk.

The coalition, which includes investor advocate FAIR Canada, the CFA Societies of Canada and the Financial Planning Association of Canada (FPAC), is also calling on provinces such as Saskatchewan, which is in the process of setting up its own financial title rules, to establish higher standards for financial advisers.

"We are disappointed with Ontario's approach to approving credentials for financial advisers," FAIR Canada's executive director, Jean-Paul Bureaud, said in an interview with The Globe and Mail.

"Consumers expect a financial adviser to have a comprehensive set of skills, high proficiency standards and broad-based knowledge. Right now, in Ontario, an in-dividual who is licensed to sell you, for example, a mutual fund can call them-selves a financial adviser," he said. "That simply doesn't align with what most Canadians would expect when talking to a financial adviser.'

Earlier this year, Ontario's Finance Ministry approved the Financial Professionals Title Protection Rule, a new set of rules to govern employees in the financial services industry who use the title financial

planner and financial adviser. The rules were designed to protect investors from doing business with unqualified individuals.

Shortly after, the Financial Services Regulatory Authority of Ontario, the provincial regulator that has spearheaded the rule changes since 2019, began to announce a number of approved designa-tions that individuals would need to acquire in order to use either title.

In an e-mail to The Globe and Mail, FSRA spokesperson Russ Courtney says the minimum standards for the designa-tion providers, and the "robust process" they go through for approval, were determined after extensive consultations and are "objectively applied" by the FSRA when reviewing applications. **■ TITLES, B2**

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World Bank chief faces calls to resign after remarks on climate change

ANDREA SHALAL **RAMI AYYUB**

Under pressure to resign for declining to say whether he accepts the scientific con-sensus on global warming, World Bank president David Malpass said on Thursday it was clear greenhouse emissions are caus-ing climate change and defended his record as bank chief.

Mr. Malpass sought to restate his views in a note to staff and an interview on CNN International, during which he was asked if he was a climate change denier. His views drew scrutiny after he refused to say during a public event this week whether he believes fossil fuel burning is warming the

"I'm not a denier," Mr. Malpass told CNN International

"It's clear that greenhouse gas emissions are coming from manmade sources, including fossil fuels, methane, the agricultural uses, the industrial uses, so we're working hard to change that," Mr. Malpass said.

Mr. Malpass has long faced criticism from climate advocates, who renewed calls on President Joe Biden to replace him. His remarks at a climate event held by The New York Times on Tuesday also rekindled concerns about the bank's lack of a deadline to

stop funding fossil fuels. Speaking onstage during a panel on climate finance, Mr. Malpass was asked several times whether he believes the "manmade burning of fossil fuels is rapidly and dangerously warming the planet." He tried to dodge the question before saying: "I don't even know. I'm not a scientist

The U.S. President, the largest World Bank shareholder, traditionally nominates World Bank presidents, subject to confirmation by the bank's board. Former president Donald Trump nominated Mr. Malpass to a five-year term in 2010.

Mr. Biden, in New York for the United Nations General Assembly, did not respond when reporters asked him if he has confidence in Mr. Malpass. The White House has

not commented on the controversy.

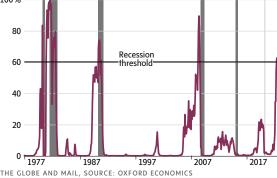
Sources following the issue said the Biden administration had thus far not wanted to remove Mr. Malpass before his term expires in early 2024, but that his comments this week could change that calculus, despite his efforts to "clarify" his views.

O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022 **B2** | REPORT ON BUSINESS

Oxford Economics model now predicts a moderate recession will hit Canada starting in the next quarter

Oxford Economics recession model for Canada





⊢ DECODER }

Canadian recession model constructed by Oxford Economics shows the country's economy has crossed a critical threshold indicating a recession is "imminent," with the firm's director of Canada economics, Tony Stillo, warning in a report this week a moderate downturn will start in the next quarter and last until the middle of 2023.

The model, which tracks five macroeconomic and financial indicators, including the spread between the yields on Government of Canada 10-year and three-month debt, Canadian stock prices, and energy's share of the Bank of Canada commodity price index, has predicted four of the past six downturns in Canada.

The two exceptions, Mr. Stillo says, followed the 2014 collapse in oil prices and the onset of the pandemic in 2020, two episodes triggered entirely by external factors.

In its forecast Oxford predicts the Canadian economy will shrink 1.8 per cent over three quarters, a slowdown that would be similar in length but shallower than the "typical" Canadian recession over the past 50 years.

And while Mr. Stillo believes the chance of a recession turning into a deeper financial crisis remains low, he warned heavily indebted Canadian households and the housing market will feel the brunt of the pain.

As of August, house prices had fallen 16 per cent from their February peak, and Oxford predicts the correction won't end until prices are down 30 per cent from their peak. That would still leave prices 7 per cent above their prepandemic level, meaning those most at risk are homebuyers who rushed into the market over the past two years.

Even so, with rising interest rates, high inflation and an unemployment rate that's predicted to rise to 8 per cent from 5.4 per cent in August, Oxford warns consumers will be squeezed into slashing spending and reining in their debts.

Ottawa to raise \$5.3-billion from new taxes

Both measures on Canada's largest banks and insurers are less onerous than Liberals' campaign pledges

JAMES BRADSHAW BANKING REPORTER

Two new taxes the federal government is levying on Canada's largest banks and insurers are estimated to raise \$5.3-billion over five years, less than what was anticipated in the government's April budget.

A permanent 1.5-per-cent increase to the corporate income tax rate for banks and insurers is expected to raise \$266-million this year and \$2.25-billion over five years, according to cost estimates published Thursday by the Parliamentary Budget Officer.

A temporary tax called the Canada Recovery Dividend that will be imposed over five years is expected to raise \$604-million annually starting in 2022, for a total of \$3.02-billion.

Both taxes apply only to large institutions: The corporate tax hike is charged on taxable profits above \$100-million, while the

recovery dividend is a 15-per-cent levy on taxable income above \$1billion earned in Canada. Those institutions have pushed back in public comments, with bank CEOs arguing that singling out one sector for higher taxes is bad for the country's business climate, and that tapping financial institutions' profits will ultimately hurt everyday investors who re-ly on returns from bank stocks and dividends.

Both tax measures are less onerous than the campaign pledges the Liberals made in the run-up to last year's federal election. At the time, the Liberals estimated the two taxes would bring in at least \$10-billion over four years. In April's federal budget, they slashed that estimate to \$6.1-billion as important tweaks to both taxes watered down their financial impact.

The current estimated total of \$5.3-billion is lower still, as more recent draft legislation released by the government "differs from what was published in Budget 2022," the PBO said.

The government has proposed to raise corporate taxes on banks' and insurers' Canadian income to 16.5 per cent from 15 per cent, instead of to 18 per cent as first proposed. And it intends to calculate the recovery dividend on an average of 2020 and 2021 profits, rather than just 2021, as originally planned. That will lower banks' tax bills because they reported lower profits in 2020 as public-health restrictions disrupted economic activity and lenders stockpiled financial reserves against possible losses.

The PBO said its projections are based on estimates of banks' and insurers' taxable earnings in future years, and could be affected by "the magnitude of the behavioural response" by those institutions - whether companies change their tax or business strategies to reduce what they would



A monster by the sea

A worker walks past See Monster, a decommissioned North Sea offshore platform that has been transformed into a public art installation, in North Somerset, England, on Thursday

GEOFF CADDICK/AFP VIA GETTY IMAGES

Titles: FPAC head says approach achieves 'little'

FROM B1

In order to be approved, Mr. credentialling Courtney says bodies must clearly demonstrate that they provide a minimum standard of education, require credential holders to complete continuing education, abide by a code of conduct that includes putting clients' interests first, and are subject to a complaints and disciplinary process.

But as additional designations were approved throughout the spring – including some newly created designations by the industry - investor advocates began to voice concerns with the quality of designations, as well as the overall number of approved designations.

Low requirements for financial advisers also risk under-mining the conduct requirements for financial professionals regulated by securities law, the coalition said in a statement

made this week. "Creating a system where the threshold to be a financial adviser is the same as someone who is able to sell a mutual fund means that any mutual fund dealing

representative could become a

financial adviser, essentially through a rubber stamp of the industry," Jason Pereira, FPAC's president, said in a statement. 'Ontario's approach effectively accomplishes little, and instead of reducing regulatory burden, it actually increases it."

Mr. Courtney says FSRA will eview the companies that provide the designation on a continuing basis and take corrective action if one of them does not meet minimum standards. The regulator is open to hearing views on the strengths and weaknesses of each organization to help inform regulatory oversight,

he added.

Michael Thom, managing director for CFA Societies Canada, said the Financial and Consumer Affairs Authority of Saskatchewan (FCAA) should "strive to build a model that better meets consumer needs" and expecta-tions for financial advice. "The number one consideration in implementing a title protection regime should be consumer protection, and credentialling approvals in Ontario are moving towards an increasingly troubling

lowest common denominator,'

he said in a statement.

In a recent report, the FCAA, which recently completed a request for comment on its title regulation, said it did receive several comments addressing concerns about the approval criteria as well as the approval of multiple credentialling bodies.

Mr. Bureaud suggests provinces should consider following Quebec's financial planning title regime, which only has one approved credentialling body to oversee one professional designation for anyone who wants to be called a financial planner.

'Trying to regulate the title financial adviser is a bigger under taking because there is no common definition or existing standards whereas financial planning is a more established field based on globally accepted standards,' he said.

It would be much better for the provincial governments to focus just on financial planners, he suggested.

But if they are "stuck" with current regulation, the best option would be to make sure there are approving designations with high standards "that align with reasonable expectations by con-

Electra Battery Materials wins LG cobalt contract

NIALL McGEE MINING REPORTER

Electra Battery Materials Corp. has agreed to supply electriccar battery manufacturer LG Energy Solution Ltd. (LGES) with cobalt from an Ontario cobalt refinery that it hopes will be operational next year.

Toronto-based Electra plans to supply 7,000 tonnes of battery-grade cobalt from 2023 to 2025 to LGES. The South Korean company is the world's second-biggest battery maker and counts Tesla, Volkswagen and Stellantis NV among its customers.

The announcement from Electra comes as Canada starts to establish a domestic EV metals supply chain to feed into the industry in an attempt to challenge Chinese dominance. The Asian superpower controls about 80 per cent of the refining of metals that feed into the EV supply chain, including lithium, cobalt, graphite and nickel.

LGES earlier this year said it planned alongside automaker Stellantis to build a zero-emissions vehicle (ZEV) battery plant in Windsor, Ont. The Ontario and federal governments have earmarked hundreds of millions of dollars toward the

Both levels of government are investing in battery minerals because a consumer shift to battery-powered EVs is essential if the country is to meet its long-term promise to achieve

net-zero carbon emissions by 2050. Electra, which has already received \$10-million in financial assistance from Ontario and Ottawa, is about halfway through a \$100-million refurbishment of a shuttered cobalt

Trent Mell said the

US\$70-million in

revenue over the

account for about

60 per cent of

three years and will

Electra's production.

worth about

refinery near the town of Cobalt in northeastern Ontario. The facility is expected to be North America's first battery-grade cobalt refinery.

The refinery was scheduled to start production later this year, but the date has been pushed out until the spring of 2023, owing in part to problems with equipment quality and supply chain delays in obtaining electrical compo-

The TSX Venture-traded company recently warned investors it

is a "going concern" risk largely because it does not have any

revenue yet.

Trent Mell, the chief executive officer of Electra, said in an interview that he's confident the company will be able to raise the roughly \$30-million needed to both complete work on the refinery, as well as for other projects over the next six months. He expects the funds would come from convertible debt, an equity raise or possibly attracting a strategic partner.

Mr. Mell said the contract with LG is worth about US\$70million in revenue over the three years and will account for about 60 per cent of its production.

Electra plans to process cobalt mined by Anglo-Swiss mining giant Glencore PLC in the Democratic Republic of Congo, as well as from other sources.

Shares in Electra rose by 12 per cent on the TSX Venture Exchange on Thursday to close at \$4.43 apiece.

While Ontario is making inroads in the nascent sector, Quebec is by far the province with the most developed bat-tery-metals industry. Privately held Nemaska Lithium Inc. is developing a lithium mine and processing plant in Bécan-cour, Que., which it hopes to have in production in 2025.

The federal and Quebec governments also announced this year that they would provide an undisclosed amount of money to General Motors Co. and South Korea's POSCO Chemical Co. Ltd. for the construction of a \$400-million battery-parts plant in Bécancour. Brazilian mining giant Vale SA is also weighing the possibility of building a battery-grade nickel refinery in Quebec.

Cable provider Cogeco continues ambitious U.S. expansion

Analysts were skeptical when the Canadian telecom launched south of the border. Now they're coming around

IRENE GALEA

hen cable provider Cogeco Communications launched in Portugal in 2006, the company hailed it as a pivotal move for its expansion into European markets. But six years later, it sold the division at a steep loss.

The lessons of that failed foray into a new market have not been forgotten at the Montreal-based company, which is taking a far different approach with its ambitious U.S. expansion plan. Less than a decade after entering that market, earnings from its U.S. business represent 50 per cent of the company's total revenue, and Cogeco has become the eighth-largest cable provider in the country.

"We are growing our coverage or our footprint every year," Cogeco chief executive Philippe Jetté said in an interview with The Globe and Mail. "There's a lot of activ-

Analysts were skeptical when the company launched its U.S. strategy - understandably so, after Portugal and less-thansuccessful business lines such as data centres. But they and investors are coming around as U.S. growth escalates and as Cogeco plots its move into wireless services.

Historically, Cogeco's main business line has been cable connections in Quebec and Ontario. But a decade ago, most of Canada was covered by at least one incumbent and all cable licences had been allocated, Mr. Jetté said. "There were limited areas we could go to."

During the 1970s and 80s, several large Canadian telecoms built out their cable networks and quickly reached most major markets, he said. In the U.S., such widespread development by major players never happened to the same degree, leaving many suburban and rural areas serviced by

small, community-based operators.

Through a series of five cable-company acquisitions - bookended by its 2012 purchase of Atlantic Broadband for US\$1.36-billion and its 2021 takeover of WideOpen-West Inc. (WOW!) for US\$1.13-billion - Cogeco expanded its operating zone to 12 states, spanning the eastern seaboard from



ogeco CEO Philippe Jetté said he does not believe fixed wireless is a threat, calling it a 'transition phase' for the telecom industry. CHRISTINNE MUSCHI/THE GLOBE AND MAIL

Maine to Florida. After its acquisition of WOW!, Cogeco rebranded its U.S. operations under the name Breezeline.

For its past quarter, ended May 31, Coge-co reported revenue from its U.S. broadband services of \$366-million, a 35-percent increase year over year. Revenue from Canadian broadband services, meanwhile, was up 2.5 per cent year over year at \$362million. Cogeco will report its fourth-quarter earnings at the end of October

"We view Cogeco Communications' current network expansion and rebranding initiatives as laying a crucial foundation for future growth," Canadian Imperial Bank of Commerce analyst Stephanie Price said in June. She added that the company's exposure to less densely populated areas in both Canada and the U.S. deserves

credit not recognized by the market."
When Cogeco first announced its new direction, recognition was even sparser.

The purchase of its Portuguese cable enterprise, Cabovisao – Televisao por Cabo SA, in 2006 for \$660-million immediately faced widespread disapproval, sparking worries that reconstructing the business would sidetrack executives and become a drag on earnings. The day the acquisition was announced, Cogeco shares dropped 17 per cent. Then the global recession and subsequent European debt crisis slashed household spending, and competition be came fierce. In February, 2012, Cogeco sold the subsidiary to a European telecommunications company for just \$59.3-million.

Meanwhile, shareholders were warily watching as Cogeco poured capital into another venture: data centres. Between 2009 and 2019, it acquired several enterprise data-service businesses, highlighted by its \$526-million acquisition of Peer 1 Network Enterprises, a Canadian internet-infrastructure provider.

But the company faced increasing competition from the likes of Amazon and Google. Analysts questioned how quickly Cogeco's further investments – including a \$100-million facility in Montreal – would turn a profit. In a 2019 move that one analyst called "inevitable," Cogeco sold its data-centre holdings to a U.S. investment bank for \$720-million.

Yet the company's executives remain confident that there is still an upside for the company in the U.S. - so confident that, in 2020, Cogeco shot down a US\$7.8billion cash takeover offer from Rogers Communications Inc. and U.S. partner Altice USA. The company has a dual-class share structure, giving the Audet family control over the takeover bid decision.

While analysts are positive about Coge-co's long-term outlook, some have ex-pressed concerns about shorter-term threats such as fixed wireless, an alternative to broadband internet.

Over the past year, with growing accessibility to 5G networks, mobile providers have used excess spectrum capacity to aggressively build out fixed wireless service es in less populated areas; in the first quarter of 2022, they represented 51 per cent of all new internet hookups, according to CIBC data. Fixed wireless connects devices to the internet via an antenna, which receives signals from a tower rather than an underground cable.

While the internet connection is typically slower and less reliable, fixed wireless does not require a cable or fibre coming into the home and therefore is a good option where it is expensive to put down cables

historically, Cogeco's main markets. Mr. Jetté said he does not believe the technology is a threat, calling it a "transi-tion phase" for the industry and adding that its network capacity will soon be used up. So far, fixed wireless has little overlap with Cogeco's territory.

The company's customer base is also being affected by inflationary pressures, forcing the low-end segment to cut spending and services, according to Bank of Nova Scotia analyst Maher Yaghi. "While the stock has few catalysts in the short term, we believe [Cogeco] has to be looked at

from a long-term perspective," he said. However, the company could benefit from public funding in the U.S. for rural expansion, as it has in Canada (last year, Cogeco received more than \$200-million from the federal and Quebec governments to build out its rural network). The U.S. government is set to release US\$43-billion through the Broadband Equity, Access, and Deployment (BEAD) Program, a por tion of which Cogeco could receive to build out its network.

Yet the company's direction in Canada stands to change in the next few years. Cogeco is also looking at an opportunity to roll out a mobile-phone service, which would allow it to offer more complete product bundles.

The CRTC is currently determining the mobile virtual network operator (MVNO) framework, which determines the price resellers must pay to access incumbents' networks.

Until now, companies have been required to make private deals with Rogers, Bell and Telus, which own the networks, and Cogeco has not yet signed such an agreement.

"We are asking for reasonable rates," Mr. Jetté said. "High enough that the party that leases is incentivized to build their own network, not to lease forever, but low enough to support competition and affordability, through the price for consumers.'





OPINION & ANALYSIS

It's time for Ottawa to ease up on foreign-ownership rules for large telecoms

If connectivity and lower prices are overarching goals for the Trudeau government, it should let market forces prevail

RITA TRICHUR



arren Entwistle is a free marke-That's why the president and chief executive officer of Telus Corp. is renewing his call for the Canadian government to relax the foreign-ownership rules for large telecommunications companies at long last.

Yes, Mr. Entwistle has made this same economic argument in the past. But now a wave of consolidation - including the proposed tie-ups of Rogers-Shaw, Quebecor-Freedom and Bell-Distributel – is creating

a pivotal moment for competition.

Those deals demonstrate that Ottawa's efforts to micromanage market competition have failed. The federal government is still trying to solve the same old problem and creating uncertainty for industry players in the process.

There's a better way. If lower prices,

connectivity and innovation are the Tru-deau government's overarching goals, then the time is right for our federal legislators to finally heed Mr. Entwistle's advice and let market forces prevail.

"I'm a big believer that we shouldn't have foreign-ownership restrictions," Mr. Entwistle said in a recent interview with The Globe and Mail's Alexandra Posadzki and Andrew Willis.

'The best protection shouldn't be artificial regulation. The best protection should be a fully valued stock price," he added. Absolutely.

Back in 2012, the federal government made legislative changes to allow up to 100-per-cent foreign ownership of small telecoms that have a revenue market share of 10 per cent or less.

Those changes, however, did not apply to large telecoms such as Rogers, Bell or Telus. In fact, direct and indirect foreign investment in those incumbents remained capped at a combined total of 46.7 per cent. (Additionally, Canadian citizens must occupy 80 per cent of their corporate board seats.)

But at least two blue-ribbon panels, which laid the groundwork for the legislative changes, recommended that Ottawa pursue a broader liberalization of the foreign-investment rules for both telecom and broadcasting after first giving smaller telecom carriers a running start.

The Telecommunications Policy Review Panel in 2006 and the subsequent Competition Policy Review Panel in 2008



Telus CEO Darren Entwistle, seen in his Toronto office on Sept. 15, says he believes that Canada shouldn't have foreign-ownership restrictions for large telecoms. 'The best protection should be a fully valued stock price,' he says. JENNIFER ROBERTS/THE GLOBE AND MAIL

both concluded that liberalizing restrictions on foreign investment would boost competition.

A decade has now passed since Canada first relaxed the foreign-investment rules for small carriers, and it's clear those rule changes have failed to create sustainable competition in the telecom

Remember Wind Mobile? Well, its foreign investors fled Canada long ago and that discount carrier, now owned by Shaw and rebranded as Freedom Mobile, appears poised to change hands yet

Not only is Ottawa taking too long to move forward with the second phase of foreign-investment liberalization, but the remaining restrictions unnecessarily drive up the cost of capital for large telecoms

'When you have artificial regulation, it fetters your fluid access to international capital markets. I don't want to do that; I want to get the cheapest money available," Mr. Entwistle said.

"When we're blowing our brains on fibre and 5G, I want to make sure that we

get money at the lowest cost possible along the way.

Sure, Mr. Entwistle's position is rooted in self-interest. But so what?

Protectionism ultimately harms con-

Telecom, especially wireless, is a costly business and companies require scale to remain profit-Telecom, especially able. That's why it makes a lot of sense to fully open the wireless, is a costly

> pocketed foreign investors. American telecoms are particularly well suited to compete in Canada because of the geographic proximity

Canadian market to deep-

of their home networks. For instance, U.S. carriers could provide cross-border wireless services at cheaper rates and use their massive purchasing power to offer Canadians discounts on

costly smartphones. Paying off a device over a two-year term comprises a huge chunk of consumers' monthly wireless

But foreign telecoms will only have an incentive to invest in Canada over the long term if they're able to gain control of a major domestic player.

Ottawa should have already learned this lesson

After all, Verizon Communications Inc. sold its 20-per-cent ownership stake in Telus back in 2004, in part because there was no ultimate path to control.

Moreover, Canada's relaxation of for-eign-investment rules for small telecoms and favourable rules for new carriers in government spectrum auctions have failed to lure Verizon back in the ensuing

Spectrum refers to the invisible radio waves that carry wireless signals. It's clear that Ottawa's previous efforts to provide new entrant carriers with preferential access to some of those airwaves is still a sore point for Mr. Entwistle.

"My only ask on dropping foreign-ownership restrictions is a level playing field," he said. "Verizon doesn't need any help from the Canadian government have a level playing field. So, if you're running a spectrum auction, have an open

He's right.

Instead of more meddling in the telecom market, Ottawa should create a plan to relax the remaining foreign-investment restrictions over the next three years.

Open up the telecom market and let the best in the world compete.

Port of Vancouver cargo volume dips as grain shipments decline

business and

companies require

scale to remain

profitable. That's

why it makes a lot of

sense to fully open

the Canadian market

to deep-pocketed

foreign investors.

BRENT JANG VANCOUVER

The Port of Vancouver's cargo volume dropped 11 per cent in the first half of this year as grain shipments fell and supply chains sputtered.

Canada's largest port released its midvear statistics on Thursday, saying it handled 68.3 million tonnes of cargo in the first six months of 2022, compared with 76.4 million tonnes for the

same period in 2021. Global freight rates have plunged after hitting record highs last year, and now economic uncertainty is clouding the shipping outlook for the rest of

Flooding and mudslides in the B.C. Interior and the Fraser Valley severed highways and rail lines in and out of Vancouver last November, with the supply chain congestion extending into early

Globally, shortages of dock workers contributed to the longer preparation required to set sail, disrupting delivery schedules on trade routes. Within Canada, there have been inland delays at warehouses, triggering other freight bottlenecks, including ships having to wait longer than usual for a berth spot.

After a weak harvest in Canada, grain shipments declined to 7.9 million tonnes in the first half at the Port of Vancouver, down 58 per cent from the year-earlier pe-

"Grain was really down and that was really all about the poor harvest on the Prairies last year,"

Robin Silvester, president of the Vancouver Fraser Port Authority said in an interview on Thursday. "Grain volumes are starting to move back up again, so that's obviously an important boost for the economy."

In sharp contrast to the grain slump, coal deliveries rose 2 cent year over year to 21.9 million

Cruise ships returned to the port in April, resuming service after the lifting of COVID-19 pandemic restrictions.

On the container side, business has slowed and freight rates have tumbled. Drewry Shipping Consultants Ltd.'s world container index has plummeted 57 per cent over the past 12 months, falling to US\$4,472 for transporting a 40-foot container this week.

The shipping industry deploys large vessels to carry containers, which are reusable steel boxes measured as 20-foot equivalent units, or TEUs.

More than 1.8 million TEUs of and imports through the Port of Vancouver in the first half, down 7 per cent compared with the first six months of 2021 In 2021, a strong showing as

measured by TEUs marked the fifth consecutive year that a new annual record was set for container traffic at the port. Vessels loading and unloading

in the Vancouver area typically have room to each carry between 6,000 to 13,000 standardized containers, depending on a ship's

The port is touting its plans for new \$3.5-billion container



After a weak harvest in Canada, grain shipments declined to 7.9 million tonnes in the first half of 2022 at the Port of Vancouver, down 58 per cent from the vear-earlier period, DARRYL DYCK/THE CANADIAN PRESS

terminal to be located near Delta B.C., about 30 kilometres south of Vancouver. The project, called Roberts Bank Terminal 2, or RBT2, would be completed by

The port believes it would be a

much-needed expansion of container capacity on the West Coast.

"It's in the core of our mandate to provide competitive capacity, and Terminal 2 is a project that's big enough to bring a new oper-

ator into the port," Mr. Silvester

said. "We will be very focused on getting a competent private-sector operator and very focused on the competitive dynamic in the

RBT2, however, is facing opposition from one of the port's own tenants, GCT Global Container Terminals Inc., which runs a container site near Delta.

GCT has devised its own plans to expand container capacity at its three-berth Deltaport facility, proposing a fourth berth in a pro-

ject called Deltaport 4, or DP4.
"GCT's proposed DP4 expansion remains the better option," GCT vice-president of public affairs Marko Dekovic said in an email on Thursday. "It is the smart, incremental and responsible project that will come to market in the same time frame."

Under its proposed DP4 ex-ansion, GCT has forecast a total cost of up to \$2-billion to add two million TEUs of annual container capacity at its facility by 2031. RBT2 would add 2.4 million TEUs a year at a higher estimated price than the DP4 project.

DILBERT





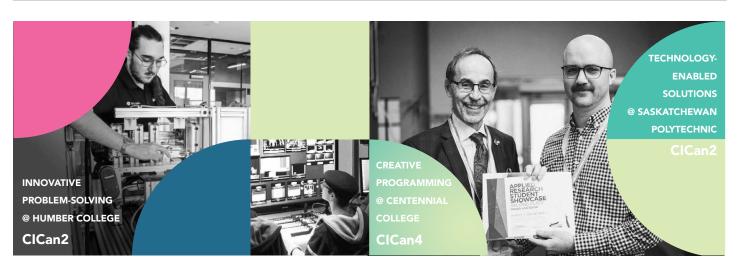
BACK TO CAMPUS

Part 2 of a 2-part feature exploring the power of higher education



Friday, September 23, 2022

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A commitment to advancing sustainability



Q&A WITH DENISE AMYOT PRESIDENT AND CEO OF COLLEGES AND INSTITUTES

Please share some reflections on CICan's 50th anniversary.

Fifty years ago, colleges and institutes from across Canada joined forces to speak with one voice at the national level. It was a time of social and economic upheaval, when innovative solutions were needed to address big questions and opportunities. Today, Canada again faces big changes, and our members continue to rise to the occasion to support a movement aimed at creating a stronger and fairer

How have colleges and institutes changed to be able to continually meet their mandates?

Along with societal changes, colleges and institutes have evolved. They are modern institutions that offer cutting-edge training opportunities, support innovation, and offer a wide variety of credentials, including degrees, post-graduate certificates and microcredentials. They also stay abreast of the new technologies and practices that are rapidly transforming the world of work.

At the same time, their mandate has stayed the same - to deliver hands-on technical and professional education in service of their local communities and to enable success for diverse learners.

What do you see as guiding principle serving as a rallying point for

the college and institute system? Colleges and institutes are the primary access point to post-secondary education for many Canadians. including marginalized community

members and Indigenous people, so the aim of the UN Sustainable Development Goals (SDGs) – to leave no one behind - really resonates with us. CICan, along with 33 of our member organizations, has formalized a commitment to building a sustainable and equitable world by signing the SDG accord. This helps us ensure that everything we do contributes to positive

See GOALS on page CICan2

LETHBRIDGE COLLEGE • lethbridgecollege.ca

APPLYING KNOWLEDGE AND SKILLS TO REAL-WORLD CHALLENGES

"How does this work?" That's a question Keelan Hyde has always been keenly interested in, from his parents' first computer to the internet of things (IoT) to linking devices to gain new – and perhaps surprising - results.

His curiosity and interest in technology brought Mr. Hyde to Lethbridge College's Computer Infor-mation Technology (CIT) program, where he recently had the chance to work with a team connecting a Raspberry Pi – a single-board, highly customizable computer about the size of a deck of cards – to a monitor, data-collecting probes, router and wireless network.

"Working with the Raspberry Pi board has given me the opportunity to gain experience with hardware that's different from your typical computer," says Mr. Hyde. "We ex-plored the technology's potential for real-world applications; for example, in a hydroponic system."

The goal was to use real-time data to enhance the function of an aquaculture environment in the Aquaculture Centre of Excellence (ACE) and



Connecting a Raspberry Pi board (right) to systems in Lethbridge College's Aquaculture Centre of Excellence has improved outcomes for these systems. It also provided students a chance to test their skills in hands-on projects. SUPPLIED

improve outcomes for both fish and plants. Mr. Hyde's role as research assistant included customizing the Raspberry Pi board to connect to elements like data-collecting probes and a series of LED lights that show the

system is online and working.
"The aim of the project was to integrate the knowledge from

our courses to solve a practical challenge," says Mr. Hyde. The experience included a Scholarship of Teaching and Learning (SoTL) project, where he worked with an instructor and shared insights with other students, thereby fulfilling half of his 200-hour practicum

In recognition of the importance of providing students with handson learning opportunities, nearly 95 per cent of Lethbridge College's programs include a work-integrated learning or practicum component, explains Dr. Samantha Lenci, provost and vice-president, Academic, Lethbridge College. "Learning takes place

on many levels. With experiential learning, students get a chance to see what a career in a particular

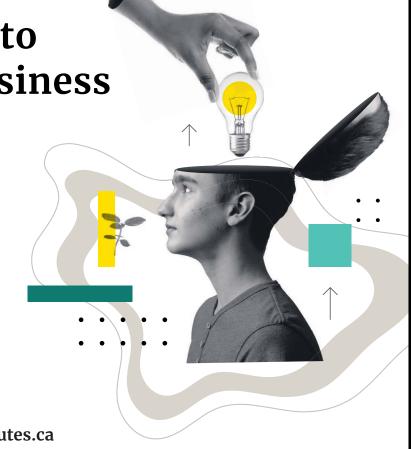
industry can look like." Work-integrated learning provides a safe environment where students can learn while being supported by both education and industry. Such experiences can give students the confidence that they will graduate with the skills that enable them to make a difference in their chosen fields from day one, says Dr. Lenci, who describes the approach with the image of a triangle, where education and industry form two points and the student the third.

"Connecting the three points of the triangle creates benefits for all involved – and for society in general," she says. "Students experience working with industry, and industry partners provide feedback on the skills they need, giving us a direct link to the labour market that serves to strengthen our educational offerings.

See REAL-WORLD on page CICan4

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Developing a 'systems thinking mindset'



Lack of affordable housing is creating a crisis across Canada. In South Etobicoke, where the Lakeshore campus of the Humber College Institute of Technology and Advanced Learning is situated, residents have been pushed out because of rocketing rent costs, neighbourhood gentrification, and commercial and institutional development, says June MacDonald-Jenkins, senior dean, Faculty of Social and Community Services.

Humber's Centre for Social Innovation (CSI) accepted a responsibility to "understand the problem, work with the community and contribute to a solution." It connected with a number of partners, secured funding from NSERC - CCSIF Grants (College and Community Social Innovation Fund), and initiated a research project aimed at co-developing a strategy addressing the local issue of housing insecurity.

The approach of integrating students, faculty, industry and community in opportunities for learning, collaboration and tackling complex real-world challenges is at the heart of the education institu-



At Humber College Institute of Technology and Advanced Learning, thousands of students and alumni have participated in hundreds of projects and activities at the Centres of Innovation (COI) Network over the past few years. SUPPLIED

tion's Centres of Innovation (COI) Network, says Tyler Charlebois, director of the COI Network and Partnership Development.

The COI Network, first established in 2017, provides an interdisciplinary experiential learning environment

that spans Humber's six faculties – and helps students develop "a systems thinking mindset," he explains, so that they can become "creative and strategic thinkers who excel at innovative problemsolving."

The CSI, which is formally being launched this fall, is the newest centre to join the network. "We believe that there's not a project that doesn't have a social innovation impact piece associated with it," points out Ms. MacDonald-Jenkins.

In addition to the CSI, the COI Network includes the Barrett Centre for Technology Innovation, the Centre for Creative Business Innovation, the Centre for Innovation in Health and Wellness, and the Longo Centre for Entrepreneurship.

The advantage of the network, says Mr. Charlebois, is the "interconnectedness and the cross-collaboration that takes place within our academic faculties." Project teams share resources, technology and expertise focusing on relevant and timely initiatives, he adds.

Thousands of students and alumni have participated in hundreds of COI projects and activities over the past few years, says Mr. Charlebois, with 650 capstone projects completed involving more than 80 faculty members and 60 companies and organizations. Students acquire practical experience and the po-

tential of "mastering cutting-edge technologies and processes while making a measurable impact."

Concurrently, community and industry partners gain access to a "talent pipeline," as they engage with Humber's students, says Mr. Charlebois. "That's probably the number one factor we're seeing from industry, wanting to work with Humber across our faculties and our COI Network."

Last year, Humber was recognized as a national leader in research partnerships, ranked by Research Infosource Inc., which publishes an annual list of Canada's Top 50 Research Colleges.

Humber is creating graduates unlike anywhere else, adds Ms. MacDonald-Jenkins. "They are systems thinkers. They have a sustainability, social innovation, equity, diversity and inclusion justice lens.

"Humber learning outcomes supersede all our program outcomes and are about creating a global citizen who knows how to contribute in a collaborative interprofessional way. That's exactly what the COIs are doing."

SASKATCHEWAN POLYTECHNIC • saskpolytech.ca

TRAINING THE LEADERS OF TODAY FOR SUCCESS IN THE FUTURE

Many would agree with the UN that access to safe drinking water is a human right. Most Canadians take it for granted that if they turn on a tap, they can enjoy this natural resource. Yet for many communities across the nation, most of them Indigenous, that is not the case.

In fact, from 1995 to 2022, there have been 165 long-term drinking water advisories on First Nations communities in Canada, with the average notice lasting nine years. In some cases, communities have been denied access for decades. For the Neskantaga First Nation, located 450 kilometres north of Thunder Bay, it's been a generation: 10,000 days have passed without a safe drinking source.

Generation in Waiting, a website and computer application conceived and developed by Patrick Eaton, a student studying geographic information sciences (GIS) at Saskatchewan Polytechnic, illustrates this dire tale. Mr. Eaton says he chose to undertake an applied research project on the subject because he felt it was an important issue that merits wide attention.



Dr. Larry Rosia and Patrick Eaton at an Applied Research Student Showcase at Saskatchewan Polytechnic. SUPPLIED

"I think most people in Canada are probably somewhat aware that Canada has had an issue with providing clean water to First Nations," says Mr. Eaton. "But I think there's a misconception that these issues and advisories only happen in remote, northern areas. That's incorrect. But

even if it was true, it doesn't mean that those affected are less deserving of access to clean water [than] you or I or anyone else in Canada.'

The project, he explains, demonstrates how GIS technology can be harnessed to create "an immersive and interactive tool that simply but

powerfully communicates in a user friendly, easy-to-digest, compelling way." It has garnered attention and awards – and opportunities for networking with prospective employers. However, Mr. Eaton says "the most valuable aspect is applying what he's learned to a real-world, tangible project."

The opportunity to delve into applied research, tackling challenges and discovering innovative solutions to existing problems "is key to the pedagogy and the way we teach our students at Saskatchewan Polytechnic," says Dr. Larry Rosia, president and CEO. "One of the things that we're known for – and are proud of – is training the leaders of today for success in communities and in the economies of the future. Sustainability is a key part of the economy moving forward."

That commitment encompasses the United Nations Sustainable Development Goals (SDG) in myriad ways, says Dr. Rosia, noting that the institution signed on to the SDG accord in 2021.

The Generation in Waiting project effectively addresses a number of SDGs, notes Dr. Rosia. "It also aligns with miyo wahkotowin – a Cree word that expresses positivity, interconnectedness and relationships – foundational values at Sask Polytech.

"Continuing our commitment to the SDGs will ensure that all our learners have an opportunity to succeed and develop the knowledge, skills, attitudes and values that will allow them to contribute to society," he adds.

FROM PAGE 1

GOALS:

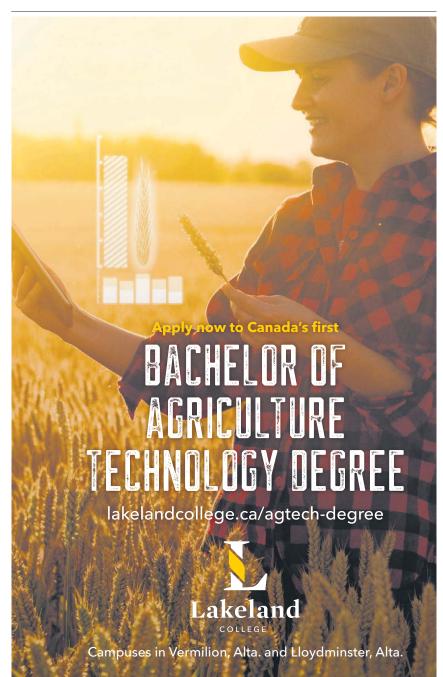
TACKLING SOCIETAL ISSUES

Which SDGs are priorities for CICan?

While it is important to advance all SDGs, we are especially focused on SDG four. It focuses on quality education, and for us, this means ensuring inclusive and equitable access to quality education and lifelong learning opportunities for all. SDG five promotes gender equality, and we are committed to empowering women to achieve their full potential; for example, through programming and creating safe and welcoming spaces for women as well as non-binary and genderdiverse learners. Among other goals we support are SDG eight, which relates to decent work and economic growth; SDG 10, reducing inequality; and SDG 13, climate action. SDG 17, which is focused on partnerships, is also a priority for colleges and institutes

What do you envision as potential outcomes?

A commitment to the SDGs is helping us stay true to our role of being the most accessible post-secondary institutions in the country. We also see education playing a critical role in delivering on the SDGs – and in addressing emerging societal challenges. For example, by helping to tackle such important issues as mental health, we do our part to build resilience and enhance well-being in individuals, communities and society





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Brighter prospects with flexible, on-demand education

If change is the only constant in life. then 21st-century challenges such as globalization and the COVID-19 pandemic have served to turbo-charge the pace of change and innovation.

Think messenger RNA (mRNA) vaccines that instruct our cells how to make a protein that triggers an immune response and web-based conferencing platforms that enabled many to work from home seem ingly overnight.

More than ever, staying successful in both the professional and personal spheres against the backdrop of fast-evolving conditions requires lifelong learning.
"We have to continue to learn,"

savs Michelle DeCoste, dean, Centre for Online Learning & Microcredentials at Toronto's Centennial College. "The good news is that we are increasing the number of ways by which we can gain the necessary skills, knowledge and experiences."

The old notion of getting a diploma, working for one employer for life and retiring by age 65 has been replaced by a more realistic career path filled with unexpected twists and turns as people adjust to the undulant job market. More learners are seeking shorter, flexible, on-demand education offerings and increasingly, microcredentials are the solution.

Microcredentials can address the skills gap among students coming out of school with outdated or m matched program diplomas and for graduates and professionals seeking brighter career prospects.

'Online learning and microcredentials are breaking the mould of the traditional learning model and allowing for more creative ways of teaching and learning," Ms. DeCoste savs of the recent boom in more lithesome education offerings.

In one example, Centennial is introducing eight film and television production microcredentials in collaboration with Fanshawe College and Seneca College. The short programs are designed to help industry professionals upskill and learn additional production and technology skills in such areas as grip/ lighting and TV and film production accounting.

It's a response to a problem production companies are having finding enough qualified workers with up-to-date skills in industry-standard technologies. It also illustrates the

"

For us, 'back to campus' now means embarking on a learning experience any way that works for you.

Michelle DeCoste

Dean, Centre for Online Learning & Microcredentials, Centennial College

benefit of maintaining close connections in the labour market. Colleges rely on program advisory committees, where industry and community representatives weigh in to ensure that program content and learning outcomes are relevant.

"Short, flexible, skills-based education represents a win/win for both employers and learners," Ms. DeCoste says. And it's no longer just chalk and talk. "We provide a lot of quality interactive content - for example, virtual reality simulations - to enhance the experience for our

Microcredentials in particular hold a lot of appeal for today's learners - they're intensive but reasonably inexpensive to enrol in, and they're effective. Together with online learning, these creative offerings have grown substantially, and Ms. DeCoste is certain this trend will only blossom.

"For us, 'back to campus' now means embarking on a learning experience any way that works for you," she adds.

FROM PAGE 1

REAL-WORLD: FUTURE-READY STUDENTS AND INDUSTRY

Strong connections to industry partners provide Lethbridge College with timely feedback on industry trends, says Dr. Lenci. "This flow between industry and education is highly important. It allows us to grow or tweak our programs based on real insights rather than guesswork. And these kinds of explorations go beyond discussing current demand. We look at what kind of graduates are needed today as well as in two, five or seven years."

Preparing graduates in a time shaped by rapid changes requires attention to "the ability to transfer skills from the classroom to a place of work – and then potentially to other places of work or other industries," she suggests. "The goal is to see our students succeed, and this requires a forward-looking strategy. What new industries or opportunities are on the horizon? Where can we make strategic connections with a long-term perspective?"

What enhances students' chances of success in the workplace of the

future is a skill set that goes beyond technical know-how to include professional skills, such as teamwork, communication, creative thinking and problem-solving, and Dr. Lenci credits Lethbridge College's highly accomplished faculty with fostering these skills.

Mr. Hyde appreciated similar aspects of the ACE project. "There was a lot of camaraderie and teamwork, where you can troubleshoot when unexpected things come up and brainsform ideas with a group of like-minded people," he says. "And working with equipment like the Raspberry Pi allows you to hone your skills as well as define your learning

"Innovative and creative people are always going to be needed," says Mr. Hvde, and Dr. Lenci adds that such traits contribute to Lethbridge College graduates being in high demand.

"Our students really show up," she says. "They constantly surpass our expectations with their accomplishments and professionalism.



With new film and television production microcredentials, created in response to industry demand, Centennial College is expanding its program offerings while building on existing expertise and facilities like the industry-standard television studio. SUPPLIED



Oil sands: Report argues industry is well-placed to act on its emissions-reduction pledges

The six companies in the alliance are Canadian Natural Resources Ltd., Cenovus Energy Inc., Imperial Oil Ltd., MEG Energy Corp. and Suncor Energy Inc., which all trade on the Toronto Stock Exchange, and ConocoPhillips Can-

ada.
"While the pledges and promises of the Pathways Alliance may give the impression that action on this front is imminent or already underway, our analysis here demonstrates that oil sands companies have yet to make the necessary investment decisions or even release sufficiently detailed project plans, with information about allocation of capital expenditure, timelines and individual company GHG reduction targets - to provide proper reassurance about the likely pace of decarbonization in the sector," the report says

Jan Gorski, Pembina's oil and gas director and one of the co-authors, told The Globe and Mail in an interview the idea behind the report was to scrutinize what companies are saying and the concrete actions they're taking.

'We need those two things to align. If they're willing to make these commitments, then we need to see the details and the actions to back up those commitments," he said.

"It's been over a year now since Pathways was announced, and I think it's time that we started to see some of those details and decisions.'

Mark Cameron, the vice-president of external relations with Pathways, said companies are working as quickly as possible toward final investment decisions on various emissions-reduction projects. But, much like the moon landing took years of work, so too will bringing the oil sands to net zero, he said.

"There's a very active intention to move forward with these projects, but that is not the same thing as being able to make fund-ing commitments today, not knowing what the conditions are going to be three years from now when it's actually time to start building," Mr. Cameron said.

The heart of the Pathways plan to get to net zero is carbon capture, utilization and storage facilities, or CCUS, which force carbon-dioxide emissions deep into the ground to keep them out of the atmosphere. That includes a 400-kilometre pipeline that will carry CO2 from Fort McMurray to

But the report found that no member has an-Pathways nounced specific new CCUS projects at any facility. Nor has any company outlined how much it plans to invest in carbon capture, or the extent to which its CCUS investments will contribute to Pathway's collective pledge to reduce CO2 emissions from oil sands production by 22 megatonnes annually by 2030.

However, Mr. Cameron said Pathways is "proceeding method-

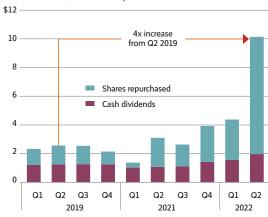
Profits of five companies in the Pathways Alliance Before and since COVID-19 arrived, in billions of dollars



THE GLOBE AND MAIL, SOURCE: PEMBINA INSTITUTE

Cash returned to shareholders from five Pathways Alliance

Before and since COVID-19 arrived, in billions of dollars



THE GLOBE AND MAIL, SOURCE: PEMBINA INSTITUTE

ically to advance these projects." It recently submitted detailed project specifications for the pipeline to Innovation, Science and Economic Development Canada as part of its permit application process, for example, and plans to file a full pipeline application as early as next year.

"We are doing a lot of work behind the scenes on exactly the things that [Pembina is] concerned about," he said.

The report's lone example of a material investment in absolute greenhouse-gas reductions is by Suncor, which has allocated about 10 per cent of its 2021 to 2025 capital budget to expanding its low-carbon businesses. It's targeting an absolute emissions-reduction goal of 10 megatonnes of

CO2 by 2030. Much of that investment is going to two projects: the replacement of three petroleum coke-fired boilers with two natural gas cogeneration units and developing renewable electricity from a wind farm. But the report notes that CO2 reductions from those projects falls outside the direct emissions from Suncor's oil sands facilities.

With profits of five of the Pathways members reaching record levels in the second quarter of 2022, mainly owing to high commodity prices, the report argues

the industry is well-placed to act on its emissions reduction pledg-

"If you're not putting this money into increasing production, some of it might go back to investors, but some chunk of that money should go to helping foolproof projects for surviving in a net-zero future," Mr. Gorski said. Mr. Cameron acknowledged

that's a widely held point of view, but said the sector "can't spend 2022 dollars on 2027 construction," and there are no guarantees of what market conditions will look like then.

"You can't just move from 'We have the cash on hand today' to the future investment decisions that depend on a whole bunch of other factors," he said.

And while Pathways members want Canada to increase its planned tax credits for carboncapture projects to keep pace with new programs introduced in the United States as part of the Inflation Reduction Act, the report notes that U.S. incentives for CCUS have no bearing on the need for existing oil sands operations in Canada to decarbonize because those sites can't be moved.

Therefore, it says, there is "no reasonable rationale for Canada to consider further subsidies for

Malpass

FROM B1

In a note to World Bank staff, seen by Reuters, Mr. Malpass said the "sharp increase in the use of coal, diesel, and heavy fuel oil in both advanced economies and developing countries is creating another wave of the climate crisis

He added: "Anything seen in a different light is incorrect and regrettable.

Activists and former climate advocates worry the Bank is falling short on climate action. Last year, more than 70 nongovernmental organizations jointly called for Mr. Malpass to be replaced, citing a lack of action. The World Bank reduced its new coal power investments

in 2013 and stopped funding upstream oil and gas operations in 2019, but has so far resisted pressure from European board members and climate campaigners to phase out fossil-fuel financing entirely. In January last year, the Bank's board approved a US\$620-

million investment in a multibillion-dollar liquified natural gas project in Mozambique, drawing criticism from climate activists. Asked for comment on Mr. Malpass's Tuesday remarks, a

spokesperson for Finance Minister Chrystia Freeland said that the World Bank plays a crucial role in driving climate change action. "[The] World Bank leadership must fully stand behind this global initiative," the spokesperson, Adrienne Vaupshas,

said U.S. lawmaker Maxine Waters, head of the House of Representatives' financial services committee, said Mr. Malpass's comments call into question the World Bank's commitment

to addressing climate change This, "in turn, threatens the Bank's relevance in every other area, including its mission to alleviate poverty and promote sustainable growth," Ms. Waters said.



Climate activists stand in front of the World Bank headquarters in Washington on Thursday calling out its president David Malpass after he appeared to express doubt about the origins and trajectory of climate change. KEVIN LAMARQUE/REUTERS

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UNITED STATES BANKRUPTCY COURT SOUTHERN DISTRICT OF NEW YORK

In re: Chapter 11

REVLON,INC., et al., Case No. 22-10760 (DSJ)

Debtors. (Jointly Administered)

NOTICE OF DEADLINE FOR FILING OF PROOFS OF CLAIM, INCLUDING CLAIMS ASSERTED UNDER

SECTION 503(b)(9) OF THE BANKRUPTCY CODE 22 (the "<u>Petition Date</u>"), Revlon, Inc. a lebtors-in-possession (each a "<u>Debtor</u>" and debtors and debtors-in-possession (each a "<u>Debtor</u> and, conec-lely, the <u>"Debtors</u>") filed voluntary petitions for relief under chapter of title 11 of the U.S. Code, 11 U.S. C.§ 51 01 escept, (the <u>"Bankunptoy</u> the best four dioits of Revlon, Inc.'s tax identification number

11 of title 1 of the U.S. Code 11 U.S.C. \$5 101 et seys (the "Bankuntuc") (ade"). The last four digits of Relvon, inc.S tax identification number are 2955. Due to the large number of Debtors in these Chapter 11 cases, a complete list of the Pebtors and the last four digits of their federal tax identification numbers is not provided herein. On September 12, 2022, the United States Bankunptry Court for the Southern District of New York (the "Goutt") entered an order [Docket No. 688] (the "Ban Deber Order, establishing certain deadlines for the filing of proofs of claim in the chapter 11 cases. Pursuant to the Ban Date Order, each person or entity (including, without limitation, each individual, partnership, joint venture, croporation, estate, and trust) that holds or seeks to assert a claim (as defined in section 101(5) of the Bankruptry Code); homatter how remote section 502(6)(9) of the Bankruptry Code), no matter how remote or contingent such right to payment or equitable remedy may be fundating altimation or the soft of the payment or equitable remedy may be fundating dains for potential unmatured injuries, with certain limited exceptions as set forth in the Bar Date Order, MUSTIFILE A. PROOF OF CLAIM on or before 500 pm. prevailing Estern lime, on October 24, 2022 (the "General lan Date") by (a) sending an origination of the origination of the control of the soft of the soft of the soft of the control of the control of the soft of the control of the Sankunture of the control of the control of the Sankunture of the Control composition, estate, and trust) that holds or seeks to assert a datin (as defined nescribor 1015) of the Bankrupty Code) that arose; deemed to have arisen, prior to the Petition Date (including, without limitation, claims entitled to administrative priority status of the priority of the sankrupty Code), no matter how remote or confiningent such right to payment or equitable remedy my be finduling dains for potential unmatured injuries), with certain limited exceptions as see forth in the Bar Date Order, MSST Host Order, and the lotter as a better of the Canadian recognition proceedings in respect for the Canadian form (by 1.5. First Class Mal, overnight courier, or other chand-eliberry system) that substantially conforms to the produced proceeding in respect of dain form mattached to the Bar Date Order, MSST Host Order, and exception of the Changrage of the Canadian recognition proceedings in respect of dain form attached to the Bar Date Order, MSST Host Order, and the process of the Canadian recognition proceedings in respect of dain form mattached to the Bar Date Order, and the process of the Changrage of the ploud to claim of the pool of the pool of claim form to the pool of claim form attached to the Sanale Order so as to be actually received by Koll Restructuring Administration, LLC (*Koll)*, the Debtors Claims and notice agent Lhou fairs that the pool and the pool of the

of of claim is December 12, 2022, at 5:00 p.m., prevailing Easten be, (the "<u>Governmental Bar Date</u>" and, together with the Genera Date and all other deadlines for filing proofs of claim set forth Bar Date Order, the "<u>Far Dates</u>," and each "<u>Far Date</u>". Proofs om must be sent by overnight mail, courier service, hand deliven "at mean "at more on cromoteded electronically through Kolf" edforanypurpose in these Chapter 11 Cases.

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Cannabis: High Tide executive says some businesses can't afford 18-month wait for review

FROM B1

Mr. Duclos said the delay is a result of Health Canada "triple-checking" with leaders in public safety, public health and the can-

nabis industry. "We decided to wait a few more months to make sure that we did three things better," he said. "First, independence. Second, scope. And third, the engagement. This is an independent committee and it has the freedom and capacity to do anything it wants in terms of this legislation. If you look at the legislative scope of the review, it was a lot more narrow, but we heard from many experts, leaders in the field. It was the right thing to do to broaden it out.'

Omar Khan, the senior vicepresident of corporate affairs at cannabis retailer High Tide Inc., said "it's unfortunate that the review itself has been delayed by a year, because during that year, the cannabis industry in Canada has gone through turbulent times. We've seen industry layoffs. We've seen many businesses fold and go bankrupt.'

In a series of tweets after the government's announcement, Mr. Khan said some in the cannabis industry can't afford to wait another 18 months, "Let's hope Health Canada can expedite the process and that Innovation, Science and Economic Development Canada can get the longpromised cannabis strategy table

running soon so that urgent challenges facing the industry can be addressed."

For George Smitherman, the chief executive officer of the Cannabis Council of Canada, the national industry association, the announcement comes at a critical time. Companies continue to face pressure from the illicit market, as well as excise taxes, pro-vincial distributor markups and

"I'm working with a sector that has no capacity for games," Mr. Smitherman said. His association has long called for a broad scope for the review that includes the impacts of the act on the financial viability of licence holders.

Mr. Duclos said Thursday that the review will indeed look at the excise tax.

Dan Sutton, the founder and CEO of B.C.-based TantalusLabs. said in an interview that the excise tax - a minimum of \$1 a gram or 10 per cent of the selling price - anticipated a price of at least \$10 a gram, which has never been met. With some producers selling their cannabis for as little as \$4 a gram, that \$1 minimum can represent almost a quarter of sales. "Excise-tax policy was based

on an estimate that has now been proven by four years of market data to be inaccurate," Mr. Sutton said. "There's actually nobody that I'm aware of, including private businesses, small craft businesses, large-scale producers, that is consistently generating break-even income. So the entire private sector is operating at a

loss. Many in the industry are also hoping the review will include an increase in THC concentration limits for edibles and other cannabis products. Edibles are currently limited to 10 milligrams per item - widely seen as a barrier to attracting cannabis users, who can access more potent products from the illegal market.

High Tide's Mr. Khan said his company often loses customers for this reason. "They just walk out the door."

Charlie Bowman, the chief ex-ecutive officer of Ottawa-based cannabis producer Hexo Corp., said the review should find ways to tout the health benefits of cannabis. Currently, the advertising and promotion of cannabis products is tightly controlled.

Moreover, he said, the govern-ment should standardize how data is collected and how testing is conducted within the industry such as tests for THC content. There is still no single standardized methodology for such tests.

"The government and producers should be focusing on helping customers understand the product and use it correctly, Mr. Bowman said. "Credibility comes from having good data."

With reports from Vanmala Subramaniam

Computershare Dividends

Notice is hereby given that the following dividends have been declared. Issue Record Payable Sept. 30, 2022 Oct. 17, 2022 \$0.33 Alaris Equity Partners Income Trust Common ARC Resources Ltd Sept. 30, 2022

TMX TSX TRUST

DIVIDEND/DISTRIBUTION INFORMATION The following dividend/distribution has been declared.

Record Date

Payable Date MEETING NOTICES

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Capital Corp. **Notice of Annual** General Meeting of **Shareholders**

Sleeping Giant

Meeting Date: November 1, 2022

Record Date: September 30, 2022

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Mackenzie Canadian Equity Fund

Canadian Equity

Years 5 Years 36 funds of 455 fund

of 455 funds

10 Years of 256 funds

ır 4.81% | 3 Year 11.96% | 5 Year 9.41% 9.43% | SI 6.43% | Inception 05/15/2006

Mackenzie Canadian Growth Balanced Fund

Canadian Equity Balanced

3 Years of 337 funds ★★★ 5 Years of 297 funds ★★★★

of 202 funds

1 Year -8.22% | 3 Year 5.02% | 5 Year 6.84% 10 Year 9.93% | SI 7.23% | Inception 12/06/1999

Mackenzie Canadian Small Cap Fund

Emerging Markets Equity

3 Years of 183 funds 5 Years of 174 funds ★★★ 10 Years of 121 funds ★★★★

1 Year -8.69% | 3 Year 12.53% | 5 Year 8.66% 10 Year 10.15% | SI 11.18% | Inception 06/05/2009



Mackenzie Emerging Markets Fund

Emerging Markets Equity

3 Years of 247 funds ★★★★

1 Year -20.13% | 3 Year 5.38% I 0.26% | Inception 06/05/2018



Mackenzie Greenchip Global Environmental All Cap Fund

Global Small/Mid Cap Equity

3 Years of 173 funds

1 Year -7.54% | 3 Year 21.63% SI 20.46% | Inception 10/17/2018



Mackenzie Income Fund

Canadian Fixed Income Balanced

3 Years of 349 funds 5 Years of 286 funds ★★★ 10 Years of 207 funds

1 Year -8.8% | 3 Year 0.90%| 5 Year 2.84% 10 Year 4.45% | SI 5.24% | Inception 10/22/2001



Mackenzie US All Cap Growth Fund

U.S. Equity

ars 5 Years funds of 1000 funds

10 Years of 436 funds

-19.48% | 3 Year 9.71% | 5 Year 14.46% 17.02% | SI 9.73% | Inception 07/15/2004 ****

Mackenzie US Small-Mid Cap Growth Fund

US Small/Mid Cap Equity

3 Years of 205 funds

5 Years of 170 funds ★★★★

10 Years of 98 funds

1 Year -13.33% | 3 Year 6.09% | 5 Year 10.83% 10 Year 13.99% | SI 10.89% | Inception 01/09/2003 ****

Mackenzie US TIPS Index ETF (CAD-Hedged)

Global Fixed Income

3 Years of 400 funds ★★★★

1 Year -5.97% | 3 Year 2.32% SI 2.95% | Inception 01/24/2018

nissions, trailing commissions, management fees, and expenses all may be associated with mutual fund investments. e read the prospectus before investing. The indicated rates of return are the historical annual compounded total ns as of August 31, 2022, including changes in unit value and reinvestment of all distributions and does not take into int sales, redemption, distribution, or optional charges or income taxes payable by any security holder that would reduced returns. Mutual funds are not guaranteed, their values change frequently and past performance may not peated.

ingstar Star Ratings reflect performance of Series F as of August 31, 2022 and are subject to change monthly. atings are an objective, quantitative measure of a fund's historical risk-adjusted performance relative to other funds in tegory. Only funds with at least a three-year track record are considered. The overall star rating for a fund is a weighted ination calculated from a fund's 3, 5, and 10-year returns, as available, measured against the 91-day treasury bill and group returns. A fund can only be rated if there are a sufficient number of funds in its peer group to allow comparison least three years. If a fund scores in the top 10% of its fund category, it gets 5 stars; if it falls in the next 22.5%, it receives s; a place in the middle 35% earns a fund 3 stars; those in the next 22.5% receive 2 stars; and the lowest 10% receive . For more details on the calculation of Morningstar Star Ratings, see www.morningstar.ca.

B12 | REPORT ON BUSINESS O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022

GLOBE INVESTOR

Untangling the truth about trusts

The legal partnerships can be confusing but also beneficial in estate, education and tax planning







TAX MATTERS

FCPA, FCA, CPA(IL), CFP, TEP, author, and co-founder and CEO of Our Family Office Inc

hen our kids were younger, Carolyn and I wanted to make sure they'd be looked after if something hap-pened to us. "Tim, if we're not here, I just want someone loving, caring and with high moral character to look after our kids," she said. "Carolyn, if we knew someone like that, why wouldn't we just give away the kids today?" She didn't like that idea. As it turns out, the kids continued to live with us - and have turned out just fine.

As part of our discussion at the time, we talked about setting aside money in a trust to provide for the kids if we were gone. That's right. A trust was part of our estate planning. But trusts can be confusing. What are they? What are they used for? Should you have one? How are they taxed? To start, let's talk about what a trust is, and the types of trusts that are possi-

TRUSTS DEFINED

A trust is not a legal entity, like a corporation. Rather, it's a legal relationship between three parties: The settlor, the trustee, and the beneficiary. The settlor is the person who creates the trust by giving certain assets to the trustee to hold. The trustee holds, manages, and administers the assets - not for his or her own benefit - but for the benefit of the beneficiary. Now, it's common to find more than one trustee and more than one beneficiary of a trust.

For a valid trust to exist, there are three things that must be certain. These are known as the "three certainties" (go figure). First, there must be certainty of intention. That is, there must be



Over the years, I've had people ask me which type of trust is better - an inter-vivos or testamentary trust. This is a lot like asking which tool in the toolbox is better a hammer or saw. The answer depends on what you're trying to accomplish. They do different

an intention on the part of the set $tlor\,to\,have\,the\,trustee\,hold\,assets$ for the beneficiary. Second, there must be certainty of subject matter. That is, the assets that are being transferred to the trustee must be known, or certain. Finally, there must be certainty of objects. That is, there must be certainty around who the beneficiaries are.

TRUSTS CLASSIFIED

There are actually two broad types of trusts that can be set up. There are inter-vivos trusts, which you might establish while you are alive. Then, there are testamentary trusts, which are set up after you die, by way of your will. Over the years, I've had people ask me which type of trust is better - an inter-vivos or testamentary trust. This is a lot like asking which tool in the toolbox is better – a hammer or saw. The answer depends on what you're trying to accom-

plish. They do different things.

If I had a dime for every time
I've heard someone say, "Tim, I
want to set up a trust," I would

easily have more than thirty bucks (the point is, that's a lot of people). And in most cases, these folks can't answer the question, 'What are you trying to accomplish with the trust you want to set up?" People seem to like the idea of having a trust, but very few can articulate why.

Once you know the "why," it becomes easier to answer other questions such as: Who - who should be the trustees and bene ficiaries? What – what assets will be held in trust? Where – is there a particular jurisdiction that makes sense for the trust? And when should you set up the trust during your lifetime (an inter-vivos trust) or upon your death (a testamentary trust)?

TRUSTS NAMED

If you talk to folks in the tax and estate-planning world, you may hear trusts referred to by different names, such as a family trust, spendthrift trust, cottage trust, education trust, inheritance trust, insurance trust, disability trust and so on. For the most part, these

trusts are given names solely to identify the purpose of the trust that is, the reason it was created. The way that our tax and trust laws apply to each of these trusts is generally the same.

There are a few exceptions where our tax law provides special tax rules for certain trusts, in which case the tax law has prescribed what some of the trust terms must be. A spousal trust, for example, is a trust where you can transfer assets to the trust for the benefit of your spouse. You'll enjoy a tax-free transfer of those assets to the spousal trust, which is not the case for most trusts. But our tax law requires that there can be no other beneficiary of the spousal trust while your spouse is alive, and that your spouse must have a right to all the income of the trust each year. Alter ego and joint partner trusts also have spe cial rules under our tax law. You

get the idea. Next time, we'll look at some of the common things people try to accomplish with their trusts. These are the "whys" I talked

U.S. midterm magic just around the corner to goose Canadian stocks

KEN FISHER

OPINION

Founder, executive chairman and co-chief investment officer of Fisher Investments

he Bank of Canada's rate hikes, galloping inflation despite plunging housing prices, fading commodity tail-winds - these and more have commentators shrieking recession looms, dooming the TSX. Think again. Why? An unfathomed catalyst should soon bring sweet relief: November's midterm congressional elections. Those raucous contests that voters hate deliver a form of Canadian stock market magic - gri-dlock - and it brings do-nothing governments, which stock markets love. Particularly in Canada. Let me show you how and why.

Americans routinely squabble over whether Democrats or Republicans are "better" for stocks and the economy – like Cana-dians do for Canada's main parties. That is mostly theatre. Stocks don't actually prefer any party. Their chief political concern is big, controversial legislation. Why? Big bills always create winners and losers. Behavioural psychology shows people hate losing money or property rights hugely more than they like winning. Big legislation complicates business planning, too.

Hence, uncertainty rises when big bills pass or even garner serious consideration – consider the hubbub the online streaming bill is already drumming up. Gridlock ends that. Knowing rules won't change much, businesses and investors more confidently deploy long-term capital. Stocks love that. In the United States, gridlock entails the White House being of a different party from one



U.S. President Joe Biden got big spending bills through Congress in the first two years of his mandate, but midterm elections this November should put an end to that. ANDREW HARNIK/ASSOCIATED PRESS

or both chambers of Congress

Since 2021, razor-thin margins let President Joe Biden's Democrats pass big-spending and regulatory bills. November's midterms should squash that. Consider: Democrats' nine-seat House of Representatives edge is historically tiny. All 435 House seats are up in November, and the sitting president's party routinely loses seats to the opposition party. Presidents who have below-average popularity, like Mr. Biden, lose 38 seats on average. Mr. Biden's approval rating remains just 42 per cent - weak historically. Republicans likely gained too many vulnerable seats in 2020 to flip 38 this time. But they should easily win enough to gain House control. Note: The party in control of either cham-

ber dictates fully, 100 per cent, which bills get voted on and which don't.

The Senate? Democrats' present edge is the smallest possible a 50/50 split with Vice-President Kamala Harris breaking ties. Thirty-five seats are up. Republicans netting just one would flip control. But only a handful of races are in doubt. So anything could happen. Regardless, House flip by itself brings formal gridlock – reliable bull market

The proof? Since 1925, the S&P 500 has been flattish in midterm years' first three quarters (in U.S. dollars), as candidates motivate their bases with big promises and hot rhetoric, roiling sentiment. But as election day nears, stocks begin prepricing gridlock. Hence gains in midterm years' fourth quarters, rising in 83.3 per cent of

That rally rolls on: Returns average 6.6 per cent and 5.5 per cent in the ensuing two consecutive quarters, with 87.5 per cent of each positive. Midterm magic! Hence, there hasn't been a negative third year of a president's term since 1939 - and it was only

down 0.9 per cent. This midterm effect spills worldwide, including Canada. The S&P 500 and S&P/TSX Composite have a 0.81 long-term correlation - strong, given 1.0 signals lockstep movement and minus 1.0 the polar opposite. Since 1970, Canadian stocks averaged quarterly declines of 1.6 per cent in U.S. midterm years' first three

quarters (in Canadian dollars). But the fourth quarter brings 5.1 per cent average gains, with 76.9 per cent of quarters positive. The following two quarters average 7.6-per-cent and 4-per-cent gains, respectively, with 92 per cent and 70 per cent of them positive! Europe and Asia experience similar U.S. midterm mojo. While markets get hip to most patterns, eroding their influence, political biases make investors reject this trend's reality.

This year, think globally to fully capture the effect. Why? Energy and utilities are the only two world sectors that are up year-todate through Sept. 20. Their 23.5per-cent share of TSX market capitalization is buoying 2022 Canadian returns. Your huge financials sector, another outper-former, also helped. But typically areas that fall most in downturns lead the next recovery. That means big-tech and growth stocks - largely lacking in Canadian markets despite Toronto's nascent tech-hub status.

To increase the chances you capture the effect, just days away now as the fourth quarter starts, look to the United States for tech consumer discretionary stocks. They were big 2022 laggards. Target tech-like interactive media and services stocks within communication services, too they're down 34.6 per cent. Those areas comprise 43.3 per cent of U.S. market cap versus the S&P/ TSX's 8.9 per cent. And seek big European luxury goods firms, particularly France's and Switzer-

Could Mr. Biden's Democrats pull off a November sweep, thwarting gridlock? Maybe – but current polling makes that extraordinary midterm outcome unlikely. Don't wait for midterm magic's probability to become reality. Position now to ride the gridlock gravy train.

Recession will be needed to rebalance the oil market

A serious slowdown is inevitable with U.S. petroleum inventories at their lowest seasonal level going back to 2008

JOHN KEMP LONDON

nused capacity in global oil production has fallen to exceptionally low levels, contributing to the intense upward pressure on prices until very recently.

Restoring spare capacity to more comfortable levels will require a business-cycle downturn, which is why a recession or at least a serious slowdown is inevitable.

In common with inventories of crude and products, and new oil-fields with rapid development times, under-utilized oil wells and refineries act as shock absorbers in the global petroleum system.

But since the middle of 2020, all these sources of flexibility have eroded, leaving the market much more vulnerable to shocks arising from unexpectedly strong consumption or any disruption to production.

U.S. petroleum inventories including the strategic petroleum reserve have depleted to the lowest seasonal level since 2008.

U.S. shale producers, who supplied almost all the increase in global crude production between 2010 to 2019, are now opting to limit growth to enjoy higher prof-

As a result, spare global production capacity has shrunk and is equivalent to just 1.5 per cent of global consumption, according to Saudi Aramco.

Unless and until some of these

shock absorbers are rebuilt to more comfortable levels, oil prices are likely to remain high and on an upward trend.

Based on experience, however, inventories and spare capacity will only rise when the global economy enters a period of subtrend growth or an outright reces-

Profit-maximizing enterprises do not intentionally invest in higher oil inventories or spare production capacity.

U.S. shale producers, who supplied almost all the increase in global crude production between 2010 to 2019, are now opting to limit growth to enjoy higher profits.

Instead, oil stocks and spare capacity increase unintentionally when consumption proves lower than anticipated because the business cycle suddenly slows.

Large increases in stocks of crude and fuels occurred as a result of recessions in 2001-02, 2008-09 and 2020, and mid-cycle slowdowns in 1997-98 and 2014-15.

There is no counter-case where inventories have risen significantly while business activity has continued expanding rapidly.

Inventories rise when, and only when, the business cycle slows unexpectedly, and the same is true about production capacity.

Severe recessions leave permanent impacts on oil production and consumption and temporarily result in spare capacity in their aftermath.

Over time, however, produc $tion\,responded\,more\,aggressively$ as a result of lower investment, while consumption rebounded as the recessions faded.

As a result, inventories have depleted and spare capacity has been reabsorbed in the years after a recession, until prices started rising to restrain consumption growth and encourage more investment in production.

In each case, inventories continued to deplete and spare capacity continued to fall, resulting in consistent upward pressure on

The link between spare capacity and business-cycle slowdowns has been present in other capital intensive industries such as mining.

It explains why inflationary pressures are cyclical, subdued in the immediate aftermath of a re-cession, when spare capacity is plentiful, then building progressively as the expansion matures and spare capacity erodes.

It also explains why it was inevitable the U.S. Federal Reserve and other major central banks would be forced to tighten monetary policy aggressively as the current expansion became more mature.

Inflationary pressure stemming from shortages of spare-capacity energy markets and other industries had already been intensifying throughout 2021.

As many commentators have pointed out, central banks cannot reduce inflation by producing more barrels of oil, cubic metres of gas, or megawatts of electricity.

But they can slow the economy enough to bring energy demand growth back into line with the trend in available production, rebuild inventories, and increase spare capacity to more comfortable levels.

REUTERS

U.S., Canadian stocks down for third straight session

Major U.S. and Canadian stock indexes ended lower on Thursday, falling for a third straight session as investors reacted to the Federal Reserve's latest aggressive move to rein in inflation by selling growth stocks, including technology companies. Benchmark U.S. Treasury yields hit an 11-year high and a key part of the U.S. yield curve was the most inverted in at least two decades, further raising concern of a looming recession.

The Fed lifted rates by an expected 75 basis points on Wednesday and signalled a longer trajectory for higher policy rates than markets had priced in.

Jitters were already present in the market after a number of companies – most recently FedEx Corp. and Ford Motor Co. issued dire outlooks for earnings.

The S&P 500's estimated earnings growth for the third quarter is at 5 per cent, according to Refinitiv data. Excluding energy, the growth rate is at -1.7 per cent. The S&P 500's forward price-to-earnings ratio, a common

metric for valuing stocks, is at 16.8 times earnings - far below the nearly 22 times forward P/E that stocks commanded at the start of the year. "If we continue to have sticky inflation, and if [Fed chair

Jerome] Powell sticks to his guns as he indicates, I think we enter recession and we see significant drawdown on earnings expectations," said Mike Mullaney, director of global markets at Boston Partners.

"If this happens, I have high conviction under those conditions that we break 3,636," he added, referring to the S&P 500's mid-June low, its weakest point of the year. The S&P/TSX composite index ended down nearly 1 per

cent to its lowest closing level since July 26. Rate-sensitive technology stocks fell 2.8 per cent, while health care stocks dropped 2.3 per cent.

U.S. airlines - which have enjoyed a rebound amid increased travel - were also down, with United Airlines and American Airlines falling 4.6 per cent and 3.9 per cent respectively. This took losses in the past three days to 11 per cent for

United and 10.6 per cent for American.

In bond markets, the yield curve between U.S. two-year and 10-year notes inverted as far as minus 58 basis points, the most inverted level since at least 2000, indicating rising con-

cerns about an impending recession.

Benchmark 10-year yields jumped to 3.716 per cent, the

highest since February, 2011.
Canadian government bond yields were higher across a steeper curve, tracking the move in U.S. Treasuries. The 10year Canadian bond yield rose 7.7 basis points to 3.119 per cent but fell 10.5 basis points further below the equivalent U.S. rate to a gap of 57.5 basis points. Canadian retail sales data, due on Friday, could offer clues

on the strength of the domestic economy, with money markets expecting the Bank of Canada to raise interest rates further next month.

REUTERS, GLOBE STAFF

DIV. YLD. YTD PERF. 1Y PERF. RECENT PRICE

Defensive U.S. stock strategy focuses on valuations, dividends

GARY CHRISTIE

NUMBER CRUNCHER

Head of North American research at Trading Central in Ottawa

WHAT ARE WE LOOKING FOR?

U.S. consumer defensive and health care stocks with attractive valuations and better than average dividend income amid a bear market.

The broad S&P 500 index remains in bear market territory, down more than 20 per cent year-to-date. U.S. inflation is currently at a level not seen since the early 1980s, which has put pressure on global equity markets.

Defensive sectors such health care, consumer staples and utilities tend to hold up well in bear markets because of the dividend income and stability they offer. This week, we dug into the consumer defensive and health care sectors to see which companies look interesting from a value and income perspective.

THE SCREEN

Using Strategy Builder, our stock screener, we begin by setting a minimum market cap threshold

U.S. dividend stocks in consumer defensive, health care sectors

F	RANK COMPANY	TICKER	SECTOR/INDUSTRY	(US\$ BIL.)	P/E	(%)	(%)	(%)	(US\$)
1	Merck & Co. Inc.	MRK-N	Drug Manufacturers	214.1	12.9	3.3	10.0	17.3	86.18
2	2 Bunge Ltd.	BG-N	Consumer Packaged Gds.	13.6	7.7	2.8	-4.5	15.8	89.96
3	B Kellogg Co.	K-N	Consumer Packaged Gds.	24.8	16.8	3.2	12.7	15.3	73.55
4	4 General Mills Inc.	GIS-N	Consumer Packaged Gds.	47.6	18.0	2.7	18.5	33.0	80.62
5	5 Philip Morris Int'l	PM-N	Tobacco Products	149.5	16.5	5.3	0.7	-4.1	95.85
6	Molson Coors Bev	. TAP-N	Beverages - Alcoholic	10.7	14.7	3.1	4.1	8.0	49.25
7	7 Kroger Co.	KR-N	Retail - Defensive	32.4	13.8	2.3	0.2	12.9	45.64
8	B Pfizer Inc.	PFE-N	Drug Manufacturers	246.5	8.5	3.6	-22.5	-0.1	44.28
ç	Tyson Foods Inc.	TSN-N	Consumer Packaged Gds.	25.7	6.4	2.6	-18.8	-5.5	71.11
1	0 Walgreens Boots	WBA-Q	Health Care Providers/Svcs.	28.9	5.7	5.7	-37.0	-30.4	33.08
1	 Viatris Inc. 	VTRS-Q	Drug Manufacturers	11.0	14.3	5.3	-36.4	-31.8	8.85
1	Target Corp.	TGT-N	Retail - Defensive	73.2	18.0	2.7	-31.4	-34.2	155.51

MKT.CAP.

of US\$10-billion in order to find well established names with large capitalizations, which tend to have less risk and volatility than small-cap stocks.

Source: Trading Central

Next, we will select only stocks with price-to-earnings ratios at or below the current P/E of the S&P 500 index, which sits at 18.4. We were also interested in companies with a dividend yield above the average 2.2 per cent currently indicated for the S&P 500, so we can be paid to wait during this bear market for an eventual rebound.

We have also included year-todate and one-year returns for reference

MORE ABOUT TRADING CENTRAL

Trading Central is a global leader in financial market research and investment analytics for retail online brokers and institutions. Its product suite provides actionable trading ideas based on technical and fundamental research covering stocks, exchange-traded funds, indexes, forex, options, and commodities.

Topping our list is global health care giant Merck & Co., which provides medicines, vaccines and animal health products. The company has the second-highest on our list at

stock price has been quite stable over the past year, with a gain of 10 per cent year-to-date and 17.3 per cent over one year, making it one of the best performing stocks on our list. The stock has a current P/E of 12.9 and a dividend yield of 3.3 per cent.

Target Corp., a general mer-chandise and food retailer, just announced plans to hire an additional 100,000 workers for the holiday season as the company plans to sell holiday merchandise earlier than in previous years as the company is predicting shop-pers will spend early to avoid higher costs closer to year-end owing to inflation pressures. The stock has a current P/E of 18 and US\$214.1-billion. The company's a dividend yield of 2.7. Looking at research before investing.

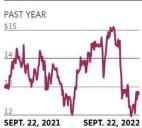
stock performance, the stock price is down 34.2 per cent over one year, the largest decliner on our list over that period, which might be of some value to bargain hunters.

Boots Alliance Walgreens Inc., a holding company in the U.S. that operates a chain of pharmacies and various retail stores, has the lowest P/E on our list at just 5.7, and the highest dividend yield, 5.7 per cent. The stock just posted a new 12-month low.

Trading Central Strategy Builder provides a back-testing capability to evaluate how well an investing strategy would have worked in the past. Using a threeyear historical period with quar-terly rebalancing, the screen described outperformed the benchmark with a 50-per-cent cumulative total return, compared with 31 per cent for the S&P 500. Looking back over one year amid the most recent market downturn, the above strategy had a 17-per-cent total return compared with a loss of 13 per cent for the S&P

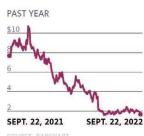
The investment ideas presented here are for information only. They do not constitute advice or a recommendation by Trading Central in respect of the invest-ment in financial instruments. Investors should conduct further

EYE ON EQUITIES DAVID LEEDER



TRANSALTA (TA-TSX) CLOSE \$12.77. UP 186

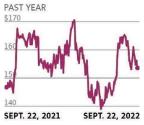
Recent share price depreciation has brought a higher return potential for TransAlta Corp., according to iA Capital Markets analyst Naji Baydoun, who sees its overall upside remaining "significant." Also pointing to the "continued strength" in the Alberta power market, he raised his recommendation to "strong buy" from "buy," calling it his "preferred merchant and value IPP play in the Canadian IPP sector." Target: He maintained a \$16.50 target, matching the consensus.



AURORA CANNABIS (ACB-TSX) CLOSE \$1.66, DOWN 8¢

While cautioning growth drivers for **Aurora Cannabis Inc.** "remain unclear" after "mixed" fourth-quarter results, ATB Capital Markets analyst Frederico Gomes raised his recommendation to "sector perform" from "under-perform" previously "as a result of a stronger balance sheet (net cash position of approximately \$162-million) and an improved risk-reward given the recent stock pullback."

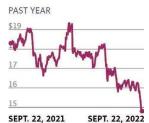
Target: He cut his target for its shares to \$2 from \$3. Consensus is



CDN NATL RAILWAY (CNR-TSX) CLOSE \$153.51, DOWN 366

Ahead of third-quarter earnings season, National Bank Financial analyst Cameron Doerksen is maintaining a neutral stance on Canadian National Railway Co. and Canadian Pacific Railway Ltd.. "We expect solid Q3 results from both railroads and a strong finish to 2022. We nevertheless remain somewhat cautious on both stocks," he said. Target: Keeping a "sector per-

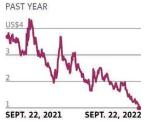
form" recommendation for CN, he raised his target to to \$173 from \$166. Consensus is \$161.42.



MCAN MORTGAGE (MKP-TSX) CLOSE \$14.80, UP 5¢

Emphasizing its "attractive dividend yield supported by strong returns on equity," Canaccord Genuity analyst Christopher Koutsikaloudis initiated coverage of MCAN Mortgage Corp. with a recommendation on Thursday. "MCAN's healthy return profile supports an attractive dividend yield of 9.6 per cent based on the current share price, which we believe is sustainable,' he said.

Target: Mr. Koutsikaloudis set a target of \$15. Consensus is \$18.13.



ENTHUSIAST GAMING (EGLX-NASDAQ) CLOSE US\$0.98, DOWN 1¢

"Challenging" market conditions are creating a "clear dislocation" between Enthusiast Gaming Holdings Inc.'s operations and share price, said H.C. Wainwright Scott Buck, "Importantly, the company has yet to see any meaningful deterioration in advertising demand, despite growing uncertainty surrounding the macro economic environment in North America," he said.

Target: Mr. Buck trimmed his price target to US\$4 from US\$6, keeping a "buy" rating. Consensus is \$6.52 (Canadian).

S&P GLOBAL 100 INDEX

S&P/TSX COMPOSITE INDEX 19002.68 | -181.86 | -0.95 % | -10.46 % YTD | 209762 VOL(000) 19,000 SEPT. 22, 2021 SEPT. 22, 2022

S&P 500 PAST 12 MONTHS 3757.99 | -31.94 | -0.84 % | -21.15 % YTD 2450867

SEPT. 22, 2022

SEPT. 22, 2021



CLOSE

25.32 9.00 0.01 0.05 0.04 0.56

NET CHG

NET CHG

-0.66 -2.27 331

-0.14 -0.62 350 -29.99

-0.27 -5.32

-1.26 -4.36 0.14 -0.67 -0.47 -1.36 -0.85 -2.26 0.04 -1.95

69.88 24.50 23.83 23.55 21.68 22.20 24.80 24.27 23.37 -0.34 0.00 -0.27 -0.45 -0.42 -0.43 0.00 -0.24 -0.47 -0.48 0.00 -1.12 -1.88 -1.90 -1.90 0.00 -0.98 -1.97

21.12 116.80

58.68 22.19 0.08 -0.15

21.10 23.15 22.17 47.53 23.25 47.32 -0.10 -0.32 -0.19 -1.10 0.01 -0.94 CHG

% CHG

DOW JONES INDUSTRIAL AVERAGE

TSX 52-WEEK HIGHS

AX-PR-A ARTIS REI CRWN CROWN CAPITA

SEPT. 24, 2012

TSX 52-WEEK LOWS

AP-UN ALLIED PROF

AP-UN ALLIED PROP BNS BANK OF NOVA BIK-PR-A BIP INVE BAM-PF-J BROOKFIE BIP-PR-F BROOKFIE BPO-PR-C BROOKFIE BPS-PR-B BROOKFIE BEP-PR-O BROOKFIE CWB CDN WESTERN B CAF CAE IN BEROPER B

CAE CAE INC
CFP CANFOR CORP
CJT CARGOJET INC
CGO COGECO INC SV
ELF-PRH E - L FI
ELF-PRF E - L FINA
EMA-PR-H EMERA IN
ENB-PR-A EMBRIDGE
EQB EOB INC
EQB-PR-C EQUITABLE
GOB-R EQUITABLE G

CAE CAE INC



CLOSE

27.33 41.36 0.07 0.11 0.26 0.27

CLOSE

70.56 21.41 22.05 21.31 31.85 22.75 20.63 27.20 42.02

108.37 -0.63

37.11 24.28 -0.33 -0.68

30.55 -0.35 -0.63 -1.13 -2.82

21.75

-0.45 -0.81 -0.19 -0.14

NET CHG

-0.21 -1.0

CHG

-2.37 -0.09 -2.43 -0.70 -2.27 -0.44 -4.49 -3.10 -0.36

-0.58 -0.88 -2.72

-2.10 -3.58

NET CHG % CHG VOL YTD 000s %CHG

12 27 41.39 85.47

SEPT. 22, 2022

VOL 000s YTD %CHG

238

335 52 170

-19.39

-33.06 -17.43 -15.03 -17.63 -20.71 -11.82 -29.49 -27.23 -16.03

-20.58 -38.19 -41.49 -12.14 -15.99

-18.26 -15.09

	CLOSE	NET	%	VOL	YTD
		CHG	CHG	000s	%CHG
TSX COMPOSITE IND	19002.68	-181.86	-0.95	209762	-10.46
TSX 60 INDEX	1152.82	-7.71	-0.66	106160	-10.42
TSX COMPLETION IN	1088.65	-23.62	-2.12	103601	-10.67
TSX SMALLCAP INDE	644.87	-12.57	-1.91	54486	-16.69
TSX VENTURE COMPO	602.94	-10.58	-1.72	23545	-35.80
TSX CONSUMER DISC	239.03	-3.28	-1.35	3654	-12.67
TSX CONSUMER STAP	769.59	-6.62	-0.85	4523	0.85
TSX ENERGY CAPPED	226.39	-4.22	-1.83	54899	38.22
TSX FINANCIALS CA	354.00	-2.62	-0.73	33890	-12.18
TSX HEALTH CARE C	22.09	-0.52	-2.30	5784	-51.94
TSX INDUSTRIALS C	366.60	-4.31	-1.16	10603	-3.76
TSX INFORMATION T	122.69	-3.47	-2.75	13566	-42.20
TSX MATERIALS CAP	298.05	-1.11	-0.37	39717	-9.22
TSX REAL ESTATE C	291.96	-6.77	-2.27	7287	-26.53
TSX GLOBAL GOLD I	231.49	0.24	0.10	58770	-20.74
TSX GLOBAL MINING	90.06	1.14	1.28	141770	-13.39
TSX INCOME TRUST	224.83	-4.24	-1.85	7626	-14.76
TSX PREFERRED SHA	589.22	-6.17	-1.04	1513	-15.9
TSX COMMUNICATION	180.48	1.60	0.89	8762	-7.5
TSX UTILITIES CAP	349.29	-2.14	-0.61	10838	1.73

TSX GAINERS

AX-UN ARTIS REAL

ACO-X ATCO LTD CL

ATH ATHABASCA OIL

ATA ATS AUTOMATIO

BTO B2GOLD CORP
BCE BCE INC
BDGI BADGER INFRA
BLDP BALLARD POWE
BMO BANK OF MONTR
BNS BANK OF MONTR
BNS BARRICK GOLD
BHC BAUSCH HEALTH
BTE BAYTEX ENERGY
BLU BELLUS HEALTH
BID BIDGULI IEE EN

BIR BIRCHCLIFF EN

BB BLACKBERRY LTD

BEI-UN BOARDWALK BBD-B BOMBARDIER

BLX BORALEX INC BYD BOYD GROUP SE

BAM-A BROOKFIELD
BBU-UN BROOKFIELD
BIP-UN BROOKFIELD
BEP-UN BROOKFIELD
DOO BRP INC

CAR-UN CDN APARTM CWB CDN WESTERN B GIB-A CGI GROUP I

CIX CI FINANCIAL

CRT-UN CT REAL ES CAE CAE INC

CCO CAMECO CORP

CF CANACCORD GENU GOOS CANADA GOOSE
CM CANADIAN IMPER
CNR CANADIAN NATI
CNQ CANADIAN NATU
CP CANADIAN PACIF

CTC-A CANADIAN TI CU CANADIAN UTILI CFP CANFOR CORP WEED CANOPY GROWT

CPX CAPITAL POWER
CS CAPSTONE MININ

COMMODITIES

BTO B2GOLD CORP

	CLOSE	NET	%	VOL	YTE
		CHG	CHG	000s	%CHG
TRP TC ENERGY COR	62.51	-0.15	-0.24	8820	6.75
ABX BARRICK GOLD	20.34	-0.08	-0.39	8538	-15.43
U SUNCOR ENERGY	40.72	-0.11	-0.27	6596	28.66
INQ CANADIAN NATU	68.54	-0.97	-1.40	5753	28.23
TORONTO-DOMINI	86.22	0.17	0.20	5305	-11.10
VE CENOVUS ENERG	23.06	-0.66	-2.78	5057	48.68
VE TAMARACK VALL	3.89	-0.14	-3.47	4751	1.82
HOP SHOPIFY INC	38.52	-2.57	-6.25	4478	-77.88
NS BANK OF NOVA	69.88	-0.34	-0.48	4298	-21.97
TE BAYTEX ENERGY	6.47	-0.23	-3.43	4287	67.0
PG CRESCENT POIN	8.83	-0.29	-3.18	4268	32.15
U ISHARES S&P T	29.12	-0.20	-0.68	4207	-10.12
TH ATHABASCA OIL	2.25	-0.02	-0.88	4175	91.60
IFC MANULIFE FIN	22.09	-0.42	-1.87	4114	-8.13
M CANADIAN IMPER	62.20	-0.25	-0.40	3694	-15.47
VCP WHITECAP RESO	9.17	-0.33	-3.47	3617	23.77
OW POWER CORP OF	33.31	-0.36	-1.07	3602	-20.24
AC AIR CANADA	18.09	-0.66	-3.52	3468	-13.39
UN LUNDIN MINING	7.03	-0.07	-0.99	3125	-28.64
ARX ARC RESOURCES	17.38	-0.64	-3.55	2622	52.35

NET CHG % CHG

-0.42

-3.41 -33.66
-0.47 -12.70
-0.48 -10.26
-0.12 -9.40
-0.25 -8.56
-0.77 -8.30
-0.22 -8.09
-0.09 -7.76
-0.37 -7.74
-0.14 -7.73
-2.61 -7.88
-0.88 -7.09
-0.28 -7.09
-0.28 -6.86
-0.31 -6.71
-0.29 -6.66
-1.36 -6.60

1.07 4.41 1.67

31.81 11.41

3.67 37.74

VOL YTD 000s %CHG

37 -3.15 1046 154.47 10 -14.85 149 -60.10 17 -41.38 1 -62.41 751 -63.98 6 -83.40 647 -38.58 59 -23.31

-56.86

59.64 -66.33

-20.75 0.90 -66.76 -53.76 -19.29 -66.96 87.64

N-A 205 112

-3.15

TSX LOSERS

TO FOR STOCKS \$1 OR MORE

AKU AKUMIN INC

AKU AKUMINI INC
HNU BETAPRO NAT G
MARI MARIMACA COP
PRN PROFOUND MEDI
ABCT ABC TECHNOLO
WFS WORLD FINANCI
EGLX ENTHUSIAST G
REUN REUNION NEUR
CAS CASCADES INC
NEXT NEXTSOURCE M
IEA ISADBUC CODD

IFA IFABRIC CORP

NPK VERDE AGRITEC FAF FIRE & FLOWER

ZUQ-U BMO MSCI US TDOC-U TD GLOBAL

WEED CANOPY GROWT
NVEI NUVEI CORP
GTMS GREENBROOK T
LEV LION ELECTRIC
HUN HORIZONS NATU

BILT EVOLVE FUNDS	1.98	0.00	-0.15	N-A								
HESG HARVEST PORT	0.99	0.00	0.00	7								
MNY PURPOSE CASH	100.09	0.00	0.00	N-A	0.07							
S&P/TSX COMI	POSITE	INDE	X									
PAST 10 YEARS												
22,000												
20,000										m/h	MANY	
18,000								- 6		A STATE OF THE PARTY OF THE PAR	1	0
16,000						A. (A)	-		I.M	in d		
14,000	~~W	M		and the same	The state of the s	P	W	N PCILL	1			
12 0000		-	Marie	•					V			

RFP RESOLUTE FORE SW SIERRA WIRELES

WN-PR-D GEORGE WE

WN-PR-D GEORGE WE
GRT-UN GRANITE RE
GWO-PR-P GREAT WE
GWO-PR-L GREAT-WE
IFC-PR-F INTACT F
LB LAURENTIAN BAN
L-PR-B LOBLAW COM
MFI MAPLE LEAF FO
MAXR MAXAR TECHNO
MX METHANEX CORP

MRC MORGUARD CORP

OTEX OPEN TEXT CO PLC PARK LAWN COR

PKI PARKLAND FUEL POW-PR-A POWER CO

POW-PR-B POWER CO POW-PR-G POWER CO PWF-PR-E POWER FI PWF-PR-F POWER FI

VOL YTD 000s %CHG

VOL YTD 000s %CHG

-21.97 -5.04 -5.39 -7.56 -15.97 -16.54 -1.47 -7.61 -35.62

-34.12 -29.88

-27.76 -12.98

-17.42 -12.84 -13.02 -31.03 -10.02 -36.48

4298 1

288

	CLOSE	NET CHG	% CHG	VOL 000s	YTE %CHG
HND BETAPRO NAT G	15.77	1.78	12.72	1043	-94.38
BDOP BLACK DIAMON	19.26	1.96	11.33	2	28.62
MMP-UN PRECIOUS M	1.77	0.16	9.94	9	-19.18
HMJI BETAPRO MARI	35.69	2.94	8.98	1	73.67
STLC STELCO HOLDI	34.76	2.70	8.42	786	-15.3
BR BIG ROCK BREWE	2.75	0.21	8.27	1	-58.20
HQD-U BETAPRO NAS	6.52	0.48	7.95	1	56.49
PNC-A POSTMEDIA N	1.81	0.12	7.10	15	27.95
HRED BETAPRO EQL	33.40	1.90	6.03	N-A	43.97
CVG CLAIRVEST GRO	72.52	3.52	5.10	N-A	13.1
PNC-B POSTMEDIA N	1.89	0.09	5.00	5	3.28
TFPM TRIPLE FLAG	17.26	0.66	3.98	16	10.0
CPLF COPPERLEAF T	6.34	0.24	3.93	44	-74.2
WFC WALL FINANCIA	12.53	0.47	3.90	N-A	-14.59
KEI KOLIBRI GLOBA	2.17	0.08	3.83	17	181.33
HED BETAPRO S&P T	8.39	0.30	3.71	160	-64.44
HBIT BETAPRO BITC	12.26	0.43	3.63	N-A	-58.23
LPEN LOOP ENERGY	2.38	0.08	3.48	77	-47.64
CRP CERES GLOBAL HUV BETAPRO SP500	3.10 8.83	0.10 0.27	3.33 3.15	N-A 219	-46.77 1.98
				VOL 000s	YTE %CHG
LARGEST STOCKS BY MA	CLOSE	NET CHG	ATION % CHG	000s	%CHG
LARGEST STOCKS BY MA	CLOSE 10.15	NET CHG -0.35	ATION % CHG -3.33	000s 633	%CHG
S&P/TSX COMPOSIT LARGEST STOCKS BY MA AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA	CLOSE 10.15 55.50	NET CHG -0.35 0.22	% CHG -3.33 0.40	000s 633 1070	%CHG 36.98 -16.97
AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA	CLOSE 10.15 55.50 18.09	NET CHG -0.35 0.22 -0.66	% CHG -3.33 0.40 -3.52	000s 633 1070 3468	%CHG 36.98 -16.97 -13.39
AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA AGI ALAMOS GOLD I	CLOSE 10.15 55.50	NET CHG -0.35 0.22	% CHG -3.33 0.40	000s 633 1070	36.98 -16.97 -13.39 -0.92
AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA AGI ALAMOS GOLD I ASTL ALGOMA STEEL	CLOSE 10.15 55.50 18.09 9.64	NET CHG -0.35 0.22 -0.66 -0.09	% CHG -3.33 0.40 -3.52 -0.92	000s 633 1070 3468 407	%CHG 36.98 -16.97
AAY ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA AGI ALAMOS GOLD I ASTL ALGOMA STEEL AGN ALGONQUIN POW	10.15 55.50 18.09 9.64 10.60	NET CHG -0.35 0.22 -0.66 -0.09 0.12	% CHG -3.33 0.40 -3.52 -0.92 1.15	000s 633 1070 3468 407 100	36.98 -16.97 -13.39 -0.92 -21.94
AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA AGI ALAMOS GOLD I ASTL ALGOMA STEEL AGON ALGONQUIN POW ATD ALIMENTATION	10.15 55.50 18.09 9.64 10.60 17.11	NET CHG -0.35 0.22 -0.66 -0.09 0.12 -0.03	% CHG -3.33 0.40 -3.52 -0.92 1.15 -0.18	000s 633 1070 3468 407 100 2222	36.98 -16.97 -13.39 -0.92 -21.94 -6.57
AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA AGI ALAMOS GOLD I AGTI ALGOMA STEL AON ALGONOUIN POW ATD ALIMENTATION APUN ALLIED PROP	CLOSE 10.15 55.50 18.09 9.64 10.60 17.11 54.80	NET CHG -0.35 0.22 -0.66 -0.09 0.12 -0.03 -1.49	% CHG -3.33 0.40 -3.52 -0.92 1.15 -0.18 -2.65	000s 633 1070 3468 407 100 2222 1851	%CHG 36.98 -16.97 -13.39 -0.92 -21.94 -6.57 3.77
AAV ADVANTAGE OIL AEM AGNICO EAGLE	10.15 55.50 18.09 9.64 10.60 17.11 54.80 28.27	NET CHG -0.35 0.22 -0.66 -0.09 0.12 -0.03 -1.49 -0.81	% CHG -3.33 0.40 -3.52 -0.92 1.15 -0.18 -2.65 -2.79	000s 633 1070 3468 407 100 2222 1851 227	%CHG 36.98 -16.97 -13.39 -0.92 -21.94 -6.57 -35.68
AAV ADVANTAGE OIL AEM AGNICO EAGLE AC AIR CANADA AGI ALAMORA STEEL AON ALGOMOLIN POW ATD ALIMENTATION AP-UN ALLIED PROP. ALA ALIAGAS LTD	CLOSE 10.15 55.50 18.09 9.64 10.60 17.11 54.80 28.27 28.77	NET CHG -0.35 0.22 -0.66 -0.09 0.12 -0.03 -1.49 -0.81 -0.07	% CHG -3.33 0.40 -3.52 -0.92 1.15 -0.18 -2.65 -2.79 -0.24	000s 633 1070 3468 407 100 2222 1851 227 694	%CHG 36.98 -16.97 -13.39 -0.92 -21.94 -6.57 -35.68 5.09

-0.27

0.03

-0.23 -0.24 -2.12

-1.13 -0.89 -2.42 -2.81

-1.94 -1.74 -0.97 -0.27 -0.02 -2.47 -3.34

-0.74 -0.47 -0.68

-0.37 -2.51

-0.20 -0.24 -1.25 -1.07

-0.49 -0.16 -0.52 -0.25 -0.36 -0.97 -0.61 -1.25 0.02 -0.27 -0.28

38.26

4.27 0.01

62.33 30.70 8.92 124.03 69.88 20.34 9.59 6.53 14.21 0.61 -0.63 -0.44 -0.94 -0.34 -0.08 0.04 -0.17 0.14 0.99 -2.01 -4.70 -0.75 -0.48 -0.39 0.42 -2.54 1.00

10.63 7.11 45.55 30.78

43.39

61.50 27.39 55.15 47.68 88.92

14.39 15.81 22.24

36.43 7.05

23.25 62.20 153.51 68.54 95.97

51.64 0.47 0.92

3.23

0.44

-1.14

-3.27

-4.28 -0.95

-1.33 -2.22

-2.19 -0.40 -0.23 -1.40 -0.63

-0.83 -0.81 0.05 -1.26 -7.09

OL Os	YTD %CHG		CLOSE	NET CHG	% CHG	VOL 000s	YTD %CHG
33	36.98	CIGI COLLIERS INT	138.38	-5.09	-3.55	65	-26.43
70	-16.97	CSU CONSTELLATION	1915.04	0.64	0.03	42	-18.23
68	-13.39	CTS CONVERGE TECH	6.01	-0.02	-0.33	1303	-44.71
07	-0.92	CJR-B CORUS ENTER	2.44	-0.09	-3.56	1917	-48.74
00 22	-21.94 -6.57	CPG CRESCENT POIN CRR-UN CROMBIE RE	8.83 15.04	-0.29 -0.35	-3.18 -2.27	4268 141	32.15 -19.23
351	3.77	CRON CRONOS GROUP	3.88	-0.33	-2.76	183	-19.23
27	-35.68	CROIT CROITOS GROOT	3.00	-0.11	2.70	105	-22.03
94	5.09	DFY DEFINITY FINA	39.17	-0.73	-1.83	60	32.64
45	-33.35	DML DENISON MINES	1.57	-0.06	-3.68	1827	-9.77
22	52.35	DSG DESCARTES SYS	84.59	-4.81	-5.38	273	-18.96
28	-13.31	DOL DOLLARAMA INC	76.67	-0.37	-0.48	691	21.64
83	-16.42	DIR-UN DREAM INDU	11.22	-0.22	-1.92	453	-34.84
201	7.63	DPM DUNDEE PRECIO	5.88	-0.01	-0.17	197	-24.81
37 04	91.60 -23.85	DND DYE & DURHAM	12.13	-0.77	-5.97	150	-72.97
04	-23.03	ECN ECN CAPITAL C	4.88	-0.15	-2.98	218	-8.61
88	-14.26	ELD ELDORADO GOLD	7.79	-0.13	-1.14	237	-34.32
72	-5.04	EFN ELEMENT FLEET	16.24	-0.21	-1.28	441	26.63
24	-3.43	EMA EMERA INCORPO	60.40	0.25	0.42	374	-4.67
38	-43.86	EMP-A EMPIRE COMP	35.84	-0.54	-1.48	418	-6.67
54	-8.93	ENB ENBRIDGE INC	54.05	0.06	0.11	2463	9.92
98	-21.97	EDR ENDEAVOUR SIL	3.92	-0.12	-2.97	285	-26.73
38	-15.43	EFR ENERGY FUELS	8.10	-0.31	-3.69	315	-16.15
87 45	-72.55	ERF ENERPLUS CORP	19.65	-0.48	-2.38	860 33	47.30
45 02	67.01 39.72	ENGH ENGHOUSE SYS EQB EQB INC	29.10 47.53	0.01 -1.10	0.03	30	-39.91 -31.03
87	64.55	EQX EQUINOX GOLD	47.55	-0.03	-0.64	203	-45.79
38	-39.85	ERO ERO COPPER CO	13.87	-0.26	-1.84	114	-28.13
251	-16.93	EIF EXCHANGE INCO	44.88	-1.21	-2.63	63	6.50
82	-26.71						
41	25.12	FFH FAIRFAX FINAN	631.00	-19.00	-2.92	32	1.97
17	-9.39	FIL FILO MINING C	15.22	-0.20	-1.30	56	19.19
98	-19.02	FTT FINNING INTL	25.49	-0.48	-1.85	299	-20.04
16	-52.82	FCR-UN FIRST CAPI	14.77	-0.28	-1.86	304	-21.69
20 64	7.25 4.52	FR FIRST MAJESTIC FM FIRST QUANTUM	9.94 22.99	-0.32 -0.28	-3.12 -1.20	588 2353	-29.35 -24.55
94	-19.32	FSV FIRSTSERVICE	156.23	-3.77	-2.36	106	-37.08
٠.	13.52	FTS FORTIS INC	56.27	0.10	0.18	843	-8.03
78	-29.74	FVI FORTUNA SILVE	3.11	-0.04	-1.27	315	-37.04
88	-35.62	FNV FRANCO-NEVADA	159.41	-0.39	-0.24	247	-8.24
30	-8.27	FRU FREEHOLD ROYA	14.62	0.03	0.21	326	25.49
261	-45.57						
77	-8.72	GFL GFL ENVIRONME	36.08	-1.49	-3.97	258	-24.69
06	-29.99	GEI GIBSON ENERGY	24.49	0.02	0.08	141	9.23
38 83	32.16 -53.25	GIL GILDAN ACTIVE GSY GOEASY LTD	39.57 111.80	-1.08 -3.61	-2.66 -3.13	407 31	-25.94 -37.64
56	-55.25	GRT-UN GRANITE RE	70.56	-1.71	-2.37	238	-33.06
94	-15.47	GWO GREAT-WEST LI	30.90	-0.31	-0.99	2342	-18.60
39	-1.02						
53	28.23	HR-UN H&R REAL ES	11.42	-0.35	-2.97	610	-29.72
72	5.48	HWX HEADWATER EXP	6.15	-0.04	-0.65	353	19.42
17	-14.78	HCG HOME CAPITAL	27.44	-0.26	-0.94	118	-29.77
)2	8.80	HBM HUDBAY MINERA	5.59	0.12	2.19	871	-38.97
57	-34.12	H HYDRO ONE LTD	35.14	0.24	0.69	941	6.78
8	-66.76	IAC IA FINIANICIAI	711.	1.25	1.67	140	1.40
98	30.54	IAG IA FINANCIAL	71.14	-1.21	-1.67	142	-1.48
12 74	-42.11 -29.88	IMG IAMGOLD CORP IGM IGM FINANCIAL	1.54 35.85	-0.02 -0.65	-1.28 -1.78	768 435	-60.91 -21.24
74 59	-3.42	IMO IMPERIAL OIL	60.84	-0.05	-0.21	1042	33.36
77	-15.32	INE INNERGEX RENE	18.32	-1.06	-5.47	209	-1.51
57	48.68	IFC INTACT FINANC	198.80	-0.53	-0.27	251	20.91
49	-39.90	IFP INTERFOR CORP	26.84	-0.60	-2.19	183	-33.74
96	-17.85	IIP-UN INTERRENT	11.54	-0.28	-2.37	227	-33.33
89	-12.24	IVN IVANHOE MINES	8.67	-0.14	-1.59	663	-16.18
05							

	CLOSE	NFT	%	VOL	YTD
	CLOSE	CHG	CHG	000s	%CHG
JWEL JAMIESON WEL	33.02	-1.16	-3.39	66	-17.74
JULE SAMESON WEE	33.02	1.10	3.33	00	-17.74
KNT K92 MINING IN	7.58	-0.08	-1.04	334	5.42
KEY KEYERA CORP	30.27	-0.07	-0.23	865	6.06
KMP-UN KILLAM APA	15.64	-0.34	-2.13	316	-33.70
KXS KINAXIS INC	131.57	-6.39	-4.63	61	-25.80
K KINROSS GOLD CO	4.78	0.02	0.42	2303	-34.33
LIF LABRADOR IRON	31.00	-0.14	-0.45	1102	-17.40
				131	-17.40
LB LAURENTIAN BAN	31.85	-0.74	-2.27		
LSPD LIGHTSPEED C	23.20	-1.19	-4.88	1541	-54.58
LNR LINAMAR CORP	61.94	-0.80	-1.28	92	-17.34
LAC LITHIUM AMERI	36.68	-1.81	-4.70	646	0.41
L LOBLAW CO	112.55	1.42	1.28	606	8.60
LUN LUNDIN MINING	7.03	-0.07	-0.99	3125	-28.64
MAG MAG SILVER CO	16.54	-0.23	-1.37	71	-16.59
MG MAGNA INTERNAT	70.68	-0.23	-1.12	692	-30.52
MFC MANULIFE FIN	22.09	-0.42	-1.12	4114	-8.13
MFI MAPLE LEAF FO	20.63	-0.42	-1.87 -4.49	335	-8.13
MEG MEG ENERGY CO	16.81	-0.78	-4.43	2287	43.68
MX METHANEX CORP	42.02	-0.15	-0.36	170	-16.03
MRU METRO INC	70.29	0.49	0.70	280	4.74
MTY MTY FOOD GROU	56.86	-1.96	-3.33	42	-10.15
MTL MULLEN GROUP	14.52	-0.23	-1.56	101	24.85
NA NATIONAL BANK	88.63	-0.60	-0.67	1703	-7.96
NXE NEXGEN ENERGY	5.28	-0.00	-2.76	836	-4.69
NFI NFI GROUP INC	13.32	0.15	1.14	109	-34.25
NPI NORTHLAND POW	42.70	-1.13	-2.58	1083	12.52
NWH-UN NORTHWEST	11.53	-0.21	-1.79	397	-16.51
NG NOVAGOLD RES I	6.00	0.02	0.33	80	-30.80
NTR NUTRIEN LTD	118.92	-0.36	-0.30	1055	25.94
NVEI NUVEI CORP	37.74	-2.78	-6.86	421	-53.76
NVA NUVISTA ENERG	11.00	-0.33	-2.91	395	58.05
OGC OCEANAGOLD CO	2.11	0.04	1.93	494	-4.09
ONEX ONEX CORP	64.51	-1.50	-2.27	96	-34.84
OTEX OPEN TEXT CO	36.99	-0.45	-1.20	777	-38.19
OR OSISKO GOLD RO OSK OSISKO MINING	13.28 2.71	-0.07 -0.06	-0.52 -2.17	210 275	-14.21 -28.87
OSK OSISKO MIINING	2./1	-0.06	-2.17	2/3	-20.0/
PAAS PAN AMERICAN	21.33	-0.19	-0.88	339	-32.41
POU PARAMOUNT RES	26.20	-1.17	-4.27	165	6.55
PXT PAREX RESOURC	19.91	-0.18	-0.90	694	-7.87
PLC PARK LAWN COR	24.28	-0.68	-2.72	64	-41.49
PKI PARKLAND FUEL	30.55	-0.35	-1.13	114	-12.14
PSI PASON SYSTEMS	13.21	-0.14	-1.05	71	14.47
PPL PEMBINA PIPEL	45.23	-0.93	-2.01	1361	18.87
PEY PEYTO EXPLORA	11.45	-0.07	-0.61	562	21.16
POW POWER CORP OF	33.31	-0.36	-1.07	3602	-20.24
PSK PRAIRIESKY RO	18.53	-0.36	-0.86	218	35.95
	77.00				
PD PRECISION DRIL		-4.00	-4.94	64	72.30
PBH PREMIUM BRAND	92.27	-1.86	-1.98	122	-27.02
PMZ-UN PRIMARIS R	13.10	-0.26	-1.95	318	4.30
PRMW PRIMO WATER	17.52	-0.34	-1.90	44	-21.51
QBR-B QUEBECOR IN	26.52	-0.16	-0.60	218	-7.04
QSR RESTAURANT BR	76.07	-1.24	-1.60	517	-0.50
RCH RICHELIEU HAR	35.57	-0.68	-1.88	27	-18.47
REI-UN RIOCAN REA	19.13	-0.36	-1.85	590	-16.48
RBA RITCHIE BROS	85.22	-0.99	-1.15	96	10.27
RCI-B ROGERS COMM	55.89	0.79	1.43	1713	-7.39
RY ROYAL BANK OF	124.98	-0.63	-0.50	1905	-6.71
RUS RUSSEL METALS	26.99	-0.66	-2.39	126	-19.74
NOO NOODEL PILIALO	20.33	0.00	2.55	120	15.77

% CHG	VOL 000s	YTD %CHG		CLOSE	NET CHG	% CHG	VOL 000s	YTD %CHG
3.39	66	-17.74						
			SSL SANDSTORM GOL	8.25	-0.07	-0.84	164	5.10
1.04	334	5.42	SAP SAPUTO INC	33.20	-0.73	-2.15	363	16.84
0.23	865	6.06	SEA SEABRIDGE GOL	16.83	0.03	0.18	34	-19.47
2.13	316	-33.70	SES SECURE ENERGY	5.80	-0.07	-1.19	374	10.27
1.63	61	-25.80	SJR-B SHAW COMMUN	33.80	0.12	0.36	1148	-11.98
0.42	2303	-34.33	SHOP SHOPIFY INC	38.52	-2.57	-6.25	4478 186	-77.88
0.45	1102	-17.40	SIA SIENNA SENIOR SIL SILVERCREST M	12.68 7.28	-0.34 -0.07	-2.61 -0.95	165	-15.64
2.27	131	-17.40	ZZZ SLEEP COUNTRY	24.55	0.17	0.70	28	-27.20 -34.59
1.88	1541	-54.58	SRU-UN SMARTCENTR	26.67	-0.43	-1.59	182	-17.15
1.28	92	-17.34	SNC SNC-LAVALIN S	23.32	-1.15	-4.70	202	-24.56
1.70	646	0.41	SDE SPARTAN DELTA	11.44	-0.24	-2.05	92	91.62
1.28	606	8.60	TOY SPIN MASTER C	44.02	0.65	1.50	72	-8.18
0.99	3125	-28.64	SII SPROTT INC	45.41	-0.95	-2.05	25	-20.44
			SSRM SSR MINING I	19.27	0.15	0.78	366	-13.93
1.37	71	-16.59	STN STANTEC INC	60.26	-1.56	-2.52	321	-15.21
-1.12	692	-30.52	STLC STELCO HOLDI	34.91	2.85	8.89	522	-15.31
1.87	4114	-8.13	SJ STELLA JONES I	39.10	-1.45	-3.58	96	-2.27
1.49	335	-29.49	SMU-UN SUMMIT IND	17.05	-0.66	-3.73	158	-27.45
1.43	2287 170	43.68 -16.03	SLF SUN LIFE FINA SU SUNCOR ENERGY	56.28 40.72	-0.79 -0.11	-1.38 -0.27	839 6596	-20.07 28.66
0.36 0.70	280	4.74	SPB SUPERIOR PLUS	10.21	-0.11	-3.22	425	-21.46
3.33	42	-10.15	JFB SUFERIOR FEUS	10.21	-0.54	-3.22	423	-21.40
1.56	101	24.85	TVE TAMARACK VALL	3.92	-0.11	-2.73	3580	1.82
		21.00	TRP TC ENERGY COR	62.51	-0.15	-0.24	8820	6.75
0.67	1703	-7.96	TECK-B TECK RESOU	42.38	1.08	2.62	1301	16.55
2.76	836	-4.69	T TELUS CORP	28.83	0.35	1.23	1543	-2.95
1.14	109	-34.25	TIXT TELUS INTERN	37.82	-1.44	-3.67	84	-9.16
2.58	1083	12.52	TFII TFI INTERNAT	126.54	-1.94	-1.51	225	-10.97
1.79	397	-16.51	NWC THE NORTH WES	32.41	-0.31	-0.95	47	-5.34
0.33	80	-30.80	TRI THOMSON REUTE	141.84	-3.51	-2.41	355	-6.39
0.30	1055	25.94	TLRY TILRAY INC	3.80	-0.20	-5.00	1241	-57.40
5.86	421 395	-53.76	X TMX GROUP LTD	128.21	-2.32	-1.78	59 245	0.20
2.91	395	58.05	TPZ TOPAZ ENERGY TXG TOREX GOLD RE	21.17 9.30	-0.24 -0.10	-1.12 -1.06	139	18.60 -29.28
1.93	494	-4.09	TIH TOROMONT IND	99.53	-1.63	-1.61	130	-12.64
2.27	96	-34.84	TD TORONTO-DOMINI	86.22	0.17	0.20	5305	-11.10
1.20	777	-38.19	TOU TOURMALINE OI	73.49	-2.18	-2.88	1273	79.95
0.52	210	-14.21	TA TRANSALTA CORP	12.74	0.15	1.19	824	-9.32
2.17	275	-28.87	RNW TRANSALTA REN	15.94	-0.27	-1.67	232	-14.99
			TCL-A TRANSCONTIN	16.25	-0.54	-3.22	36	-19.99
88.0	339	-32.41	TCN TRICON CAPITA	12.75	-0.28	-2.15	414	-34.14
4.27	165	6.55	TSU TRISURA GROUP	31.25	-0.87	-2.71	52	-34.47
0.90	694	-7.87	TRQ TURQUOISE HIL	40.92	0.09	0.22	358	96.78
2.72 -1.13	64 114	-41.49 -12.14	UNS UNI SELECT IN	34.96	-1.13	-3.13	179	35.82
1.05	71	14.47	UN3 UNI SELECT IN	54.90	-1.15	-5.15	1/9	33.02
2.01	1361	18.87	VET VERMILION ENE	29.09	-0.52	-1.76	1217	82.96
0.61	562	21.16	VET VERI-IIEIOIVEIVE	25.05	-0.52	1.70	1217	02.50
1.07	3602	-20.24	WSP WSP GLOBAL IN	153.05	-3.42	-2.19	104	-16.69
0.86	218	35.95	WCN WASTE CONNECT	190.29	-1.74	-0.91	276	10.63
1.94	64	72.30	WDO WESDOME GOLD	8.45	-0.11	-1.29	118	-26.59
1.98	122	-27.02	WFG WEST FRASER T	101.09	-0.05	-0.05	313	-16.25
1.95	318	4.30	WN WESTON GEORGE	146.58	0.10	0.07	105	0.12
1.90	44	-21.51	WTE WESTSHORE TER	28.05	-0.42	-1.48	47	4.59
			WPM WHEATON PRECI	42.36	-0.24	-0.56	529	-21.54
0.60	218	-7.04	WCP WHITECAP RESO	9.17	-0.33	-3.47	3617	23.77
1.60	517	-0.50	WPK WINPAK LTD	45.29	0.24	0.53	42	21.85
1.88	27	-0.50 -18.47	YRI YAMANA GOLD I	5.80	0.03	0.52	1253	9.40
1.85	590	-16.48	AL INDIANA GOLD I	5.00	0.03	0.32	1233	3.40
-1.15	96	10.43						
1.43	1713	-7.39						
0.50	1905	-6.71						
2.39	126	-19.74						
CII	RRENC	IFS						
			CROSS RATES					
_								

C3 CAF 3 TO INE IMININ	3.23	0.01	0.31	312	-42.11	ING MIGOLD CORF	1.34	-0.02	-1.20	700	-00.51
CJT CARGOJET INC	116.80	-5.32	-4.36	74	-29.88	IGM IGM FINANCIAL	35.85	-0.65	-1.78	435	-21.24
CCL-B CCL INDUSTR	65.48	-1.41	-2.11	269	-3.42	IMO IMPERIAL OIL	60.84	-0.13	-0.21	1042	33.36
CLS CELESTICA INC	11.94	-0.13	-1.08	177	-15.32	INE INNERGEX RENE	18.32	-1.06	-5.47	209	-1.51
CVE CENOVUS ENERG	23.06	-0.66	-2.78	5057	48.68	IFC INTACT FINANC	198.80	-0.53	-0.27	251	20.91
CG CENTERRA GOLD	5.86	-0.01	-0.17	1349	-39.90	IFP INTERFOR CORP	26.84	-0.60	-2.19	183	-33.74
CSH-UN CHARTWELL	9.71	-0.16	-1.62	296	-17.85	IIP-UN INTERRENT	11.54	-0.28	-2.37	227	-33.33
CHP-UN CHOICE PRO	13.33	-0.14	-1.04	189	-12.24	IVN IVANHOE MINES	8.67	-0.14	-1.59	663	-16.18
CCA COGECO COMMUN	75.44	-0.32	-0.42	36	-25.11						
ETFS											
STOCKS \$1 OR MORE											
	CLOSE	NET	%	VOL	YTD		CLOSE	NET	%	VOL	YTD
		CHG	CHG	000s	%CHG			CHG	CHG	000s	%CHG
BTCC-B PURPOSE BI	3.82	0.07	1.87	337	-55.83	HSD BETAPRO SP500	8.87	0.15	1.72	1050	40.48
BTCX-U CI GALAXY	3.65	0.06	1.67	218	-58.56	HSU BETAPRO SP500	12.55	-0.23	-1.80	637	-40.63
DLR-U HORIZONS US	10.10	0.00	0.00	488	0.40	HXT HORIZONS S&P	46.57	-0.30	-0.64	1093	-8.14
DLR HORIZONS US D	13.61	0.04	0.29	500	7.00	VDY VANGUARD FTSE	41.65	-0.20	-0.48	239	-3.04
ETHX-B CI GALAXY	6.50	0.03	0.46	330	-62.14	XBB ISHARES CORE	27.63	-0.13	-0.47	222	-13.09
HGU BETAPRO CDN G	10.18	-0.08	-0.78	419	-36.23	XEG ISHARES S&P T	14.77	-0.26	-1.73	1981	40.83
HND BETAPRO NAT G	15.77	1.78	12.72	1043	-94.38	XGD ISHARES S&P T	14.58	0.01	0.07	350	-19.66
HNU BETAPRO NAT G	21.55	-3.41	-13.66	1046		XIC ISHARES CORE	30.43	-0.26	-0.85	457	-9.78
HOD BETAPRO CRUDE	11.27	-0.05	-0.44	1503	-64.32	XIU ISHARES S&P T	29.12	-0.20	-0.68	4207	-10.12
HOU BETAPRO CRUDE	17.11	0.06	0.35	1559	33.78	XRE ISHARES S&P T	15.89	-0.35	-2.16	753	-24.01
HQD BETAPRO NASDA	8.86	0.22	2.55	1912	60.62	XSP ISHARES CORE	40.16	-0.35	-0.86	564	
HQU BETAPRO NASDA	9.23	-0.25	-2.64	1282	-54.92	ZEB BMO S&P TSX E	34.19	-0.17	-0.49	691	-12.06

CANADIAN PRIME Source: wires	GET 3.25 5.45	UNCH	
U.S.			CANADIAN DOLLAR PAST YEAR, AS OF 4
TERM	YIELD	CHG	44
2-YEAR TREASURY 5-YEAR TREASURY 10-YEAR TREASURY 80-YEAR TREASURY	4.02 3.74 3.51 3.50	0.06 -0.01 -0.06 -0.09	W. W.
RATES	RATE	CHG	
FED TARGET RATE J.S. PRIME Source: wires	3.00-3.25 6.25	UNCH	SEPT. 22, 2021 \$0.7828

YIELD

RATE CHG

CHG

CAD USD AUD EUR GBP JPY CHF

CAD

1.3485 0.8957 1.3260 1.5182 0.0095 1.3796

0.6642 0.9836 1.1258 0.0070 1.0225

BONDS CANADA TERM

RATES

U.S. PRIME

CANADIA	LDOLLAR	0.7415 0.0413	/ E 27400/ \	
	AS OF 4:4	60.7415 -0.0413 5 P.M.	(-3.2/40%)	
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AUD

1.1158 1.5052

1.4803 1.6944 0.0105 1.5394

0.7533 1.0162 0.6750

1.1439 0.0071 1.0393

0.0062 0.9081

JPY

105.52 142.33 94.536 140.00 160.24

CHF

0.7241 0.9771 0.6489 0.9608 1.1001 0.6860

SEPT. 22, 2022 \$0.7415

	PRICE	NET CHG		PRICE	NET CHG		PRICE	NET CHG
GOLD	1675.70	4.60	LEAN HOGS	94.43	-1.55	CORN	685.50	-6.50
SILVER	19.48	0.30	COFFEE	221.30	-3.85	SOYBEAN	1461.25	-17.50
NATURAL GAS	7.78	0.06	ALUMINUM	2179.75	-48.50	CANOLA	802.20	16.60
CRUDE OIL WTI	82.94	-1.00	HKFE NICKEL CNH	175720.0	1440.0	S&P 500 COMM SRVS	264.80	-6.60
CRUDE OIL BRENT	89.83	-0.79	WHEAT	903.75	10.00	FEED WHEAT	282.50	5.00
HIGH GDADE COPPED	3 47	-0.04	I I IMRED DI	496.00	-19 70	RITCOIN FUTURES	18980 0	30 O

Gold, Silver (USD/oz), Nat gas (USD/mmbtu), Oil (USD/barrel), Copper (USD/lb), Bitcoin (USD), Lean Hogs (in U.S. cents/lb),
Coffee (USD/lb), Aluminum (USD/tonne), HKFE Nickel (in Renminbi-Yuan/tonne), Lumber (USD/1000 board ft),
Wheat Corn and Souheans (in U.S. conts (bushal) Canala and Parley (in Cdn dollars (tonna)) Food Wheat (in Pr. nounds (tonna)



Federer and Nadal to team up in doubles at Laver Cup

B17 Canadian women face Fiji in final test before Rugby World Cup **B18**

-{ FIBA WORLD CUP }



Nirra Fields of Canada, right, grabs a rebound during the FIBA Women's Basketball World Cup match between Canada and Serbia at Sydney Olympic Park Sports Centre on Thursday in Sydney. Canada won 67-60. MARK METCALFE/GETTY IMAGES

Canadian women's basketball team says new coach Lapena has brought instant energy

Spaniard brought some much-needed fun back into the team after a disappointing Olympics

LORI EWING

Bridget Carleton laughed when describing Victor Lapena's infectious excitement at practice.

On the heels of its early exit from the Tokyo Olympics, Lapena was hired to take Canada's seemingly stagnant women's basketball team to the next level, and the high-octane Spaniard has injected an immediate boost of energy.

"He's passionate, he's so fun to be around, he just brings so much energy to the gym," Carleton said from Australia earlier this week. "He gets into a defensive stance, it's hilarious to watch, but you can just feel how passionate he is about the game, how much he cares about us and wants us to be successful. "He trusts us and he has a lot of fun, he brings a lot of fun energy"

The energy is contagious, and it showed in Canada's 67-60 victory over Serbia in the FIBA World Cup on Thursday morning, a win that likely went a long way

in the team's chances to advance.
The Canadians next face a
tough test on Friday against
France, a team that upset host
Australia in its World Cup open-

Natalie Achonwa, who had 10 points and eight rebounds against the Serbs, who beat Canada at the Tokyo Olympics, is the lone holdover from the 2012 London Olympic team.

After being quarter-finalists in 2012 and '16, hopes for the Canadian women to win a medal have been sky-high. Achonwa said change was the best chance to

achieve that goal.

"You need something different for a different outcome," said Achonwa, a 29-year-old forward for the WNBA's Minnesota Lynx.

"It's a complete change of speed. But one that I think we've all really embraced," she added. "There's a lot of words that I think of when I talk about Victor: energetic, explosive ... but bringing out that energy and that spark and that fight has been great, and it's definitely a change of pace for us and one that I think challenges us as well."

The 47-year-old Lapena replaced Canadian Lisa Thomaidis, who coached Canada to a bestever No. 4 ranking to cap her nine years in charge. Lapena has coached 10 pro teams in Spain, Russia and Turkey, plus logged more than a decade with Spain's national program at both the

youth and senior women's levels.

He most recently led Fenerbahce to an unbeaten season and a Turkish Cup title, and was named EuroLeague Women's

coach of the year in 2020.

Raising his kids in Canada, with its highly ranked education system, was a hig draw he said.

system, was a big draw, he said.
Thursday's win marked Kia
Nurse's first game since tearing
her anterior cruciate ligament in
her right knee almost a year ago,
and her first experience playing
for Lapena.

The 26-year-old Phoenix Mercury guard, who had nine points in 19 minutes against Serbia, said new can be exciting and unpredictable – exactly what the Canadian women needed to be able to leave behind the frustration of the Tokyo Olympic quadrennial and look ahead to Paris in 2024.

FIBA, B18

Americans take 4-1 lead at Presidents Cup

JOHN CHIDLEY-HILL CHARLOTTE, N.C.

Taylor Pendrith woke up early on Thursday morning and couldn't get back to sleep. Thoughts of his first tee shot at the Presidents Cup were running through his head, keeping him awake.

But when Pendrith laid into a 308-yard drive on the first hole at Quail Hollow Club, he felt like he belonged at the prestigious international event.

"I knew I was going [to] be nervous. I think if you're not nervous, there's something wrong with you," Pendrith said. "It's obviously a huge event with tons of history and to be a part of the squad is amazing.

"I was thinking about that tee shot for a long time but I stepped up and hit a really good one and just trusted my skills."

Pendrith, from Richmond Hill, Ont., and Corey Conners of Listowel, Ont., debuted for the international team at the Presidents Cup on Thursday. Pendrith and partner Mito Pereira of Chile battled with American Tony Finau and Max Homa until the 18th hole, eventually losing 1 up as the United States took a 4-1 lead overall. "I think me and Mito did a good job to-

"I think me and Mito did a good job today staying in it, giving ourselves lots of chances and staying patient," said Pen-



Taylor Pendrith from Richmond Hill, Ont., hits a tee shot during a foursomes match at the Presidents Cup in Charlotte, N.C. on Thursday. PETER CASEY/USA TODAY SPORTS VIA REUTERS

drith, as he and Pereira rallied from a twoshot deficit after six holes to carry a tie into the final hole. "Lots of confidence moving forward to tomorrow. "If we can come out and steal a couple of points I think we'll be right in it."

Conners and Pendrith, close friends who were teammates and roommates at

Kent State University, will be paired together for Friday's final match as the event's format switches from foursomes to four ball.

It's the first time two Canadians have played in the best-on-best tournament that sees 12 Americans take on 12 players from around the world, excluding Europe.

Conners and South Korea's Sungjae Im fell to Jordan Spieth and Justin Thomas 2 and 1 in Thursday's second match. They shook hands on the 17th green with a tie out of reach.

"We just didn't get off to the best start in the match," Conners said. "We battled back nicely but just couldn't get the important putts to go in at the end there."

South Korea's Si Woo Kim and Australia's Cam Davis were the only international pairing to win. After seven holes they were trailing Scottie Scheffler and Sam Burns 3 up but closed out with six birdies in their last 10 holes, including four in a row on Nos. 15-18, to beat the Americans 2

up.
"It's always more satisfying when you start off not having your best stuff and then you find a way to turn it around, especially against the calibre of players that are playing here," Davis said.

PRESIDENTS, B18

Wild-card a virtual lock for Jays, home field a possibility

Strong September has put distance between Toronto and fellow wild-card contenders

GREGORY STRONG

7 ith two weeks left in the regular season, the Toronto Blue Jays lead the American League wild-card standings and have a faint chance of catching the New York Yankees in the East Division race.

Here's a look at some of the numbers and storylines as the Blue Jays continue their road trip Thursday night with the opener of a big four-game series against the Tampa Bay Rays.

NUMBERS GAME

The Blue Jays are a virtual lock to qualify for the playoffs thanks to a strong September that put some distance between them and the teams chasing Toronto, Tampa Bay and Seattle for the three AL wild-card spots.

The Toronto-Tampa Bay series could have a big impact on the battle for the top wild-card position, which comes with homefield advantage in the best-ofthree first round.

The top two division winners earn byes while the third-ranked division winner hosts the third wild-card team (No. 3 seed vs. No. 6 seed). The top wild-card team hosts the second wild-card entry

(No. 4 vs. No. 5). Entering Thursday's games, Toronto was two games up on Tampa Bay and 2½ games ahead of Seattle. The Baltimore Orioles were four games behind the Mariners

West Division-leading Houston Astros were the only AL team that has clinched a playoff



Toronto's George Springer slides into third base after hitting a triple against the Tampa Bay Rays in the first inning at Tropicana Field on Thursday. For the game story, head to globesports.com. NATHAN RAY SEEBECK/ USA TODAY SPORTS

The East-leading Yankees were 6½ games up on Toronto and the Central-leading Cleveland Guardians were six games up on the Chicago White Sox.

OCTOBER ODDS

The Blue Jays have a 98.6-per cent chance of securing a wild-card spot and a 6.7-per cent chance of winning the World Series, per FanGraphs odds on Thursday af-

Toronto's chances of winning the East Division are listed at just

1.2 per cent on the website.

After the Blue Jays' current road trip ends on Sunday, the team will return to Rogers Centre for a three-game series against the Yankees, followed by a threegame weekend set against the Boston Red Sox.

Toronto and Baltimore will close the campaign with a three-game set at Oriole Park at Camden Yards. That series will wrap on Oct. 5 with a late afternoon

BORDER CHANGES

A cabinet order enforcing mandatory COVID-19 vaccination requirements at the border is expected to expire on Sept. 30, which could provide more options for opposing teams in po-tential playoff games in Toronto.

Border restrictions on travellers who aren't vaccinated forced several clubs to add players to the restricted list for road games at

Rogers Centre this season.

Tampa Bay's Brooks Raley missed a five-game series at Toronto earlier this month. Fellow Rays reliever Ryan Thompson was also on the restricted list for the team's trip north earlier in the season.

The Mariners put reliever Drew Steckenrider on the restricted list for their lone visit to Toronto this year. Starter Robbie Ray, who won the AL Cy Young Award last year with the Blue Jays, also did not make the trip.

ROAD WARRIORS

Home-field advantage in a playoff series is normally a team's preference but the Blue Jays should be a confident bunch if they open the postseason on the road.

Entering play Thursday, Toronto has won 15 of its last 19 road games and boasted a 41-33 record away from home. The Blue Jays' .554 road winning percentage was second in the AL behind the Houston Astros.

Toronto's offence has shone away from home. The Blue Jays lead the AL in road runs per game (5.15), road average (.267), road on-base percentage (.331), road slugging percentage (.427) and road OPS (.758).

BO KNOWS

Blue Jays shortstop Bo Bichette started the month of September on a tear and hasn't let up with about a week to go.

He took a sparkling .424 batting average for the month into Thursday's series opener against Tampa Bay.

Bichette has driven in 23 runs

in September and has a monthly OPS of a whopping 1.267. He leads all big-league hitters this month in hits, extra-base hits, total bases and RBIs

THE CANADIAN PRESS

MLB

ANAEDICANILE	۸ ۵ ۱ ۱	_						
AMERICAN LEAGUE								
EAST DIVISION								
	W	L	Pct	GB				
New York	90	58	.608	_				
Toronto	84	65	.564	61/2				
Tampa Bay	82	67	.550	81/2				
Baltimore	77	71	.520	13				
Boston	72	76	.486	18				
CENTRAL DIVISION								
	W	L	Pct	GB				
Cleveland	82	67	.550	_				
Chicago	76	73	.510	6				
Minnesota	73	77	.487	91/2				
Kansas City	61	89	.407	211/2				
Detroit	57	92	.383	25				
WEST DIVISION								
	W	L	Pct	GB				
x-Houston	99	51	.660	_				
Seattle	82	67	.550	161/2				
Texas	65	84	.436	331/2				
Los Angeles	65	85	.433	34				

Cieveiailu	02	07	.550 —
Chicago	76	73	.510 6
Minnesota	73	77	.487 91/2
Kansas City	61	89	.407 211/2
Detroit	57	92	.383 25
WEST DIVISION			
	W	L	Pct GB
x-Houston	W 99	L 51	.660 —
x-Houston Seattle		51 67	
	99		.660 —
Seattle	99 82	67	.660 — .550 16 ¹ / ₂

	w	L	Pct	GB
x-Houston	99	51	.660	_
Seattle	82	67	.550	161/2
Texas	65	84	.436	331/2
Los Angeles	65	85	.433	34
Oakland	55	95	.367	44
				и L .

Thursday

Kansas City 4, Minnesota 1 Texas 5, L.A. Angels 3 Seattle 9, Oakland 5 Toronto at Tampa Bay Houston at Baltimore Boston at N.Y. Yankees Cleveland at Chicago White Sox

Cincinnati 5 Roston 1

Houston 5, Tampa Bay 2 Baltimore 8, Detroit 1 N.Y. Yankees 14, Pittsburgh 2
Texas 7, L.A. Angels 2
Cleveland 8, Chicago White Sox 2
Philadelphia 4, Toronto 3, 10 innings Kansas City 5, Minnesota 2 Oakland 2, Seattle 1

Boston (Hill 7-7) at N.Y. Yankees (Cole

Friday — All Times Eastern

Boston (Hill 1-1) or ... 12-7), 7:05 p.m. Houston (Urquidy 13-7) at Baltimore (Kremer 7-5), 7:05 p.m. (Kremer 7-9), 7-05 p... Toronto (Manoah 14-7) at Tampa Bay (Springs 9-4), 7:10 p.m. Cleveland (Morris 0-2) at Texas (Gray 7-7), 8:05 p.m. Detroit (Rodriguez 3-5) at Chicago White Detroit (Rodriguez 3-5) at Chicago White Sox (Giolito 10-9), 8:10 p.m. L.A. Angels (Ohtani 13-8) at Minnesota (TBD), 8:10 p.m. Seattle (Gonzales 10-14) at Kansas City (Singer 9-4), 8:10 p.m. N.Y. Mets (Bassitt 14-8) at Oakland (Irvin 9-11), 9:40 p.m.

Boston at N.Y. Yankees, 1:05 p.m. N.Y. Mets at Oakland, 4:07 p.m. Toronto at Tampa Bay, 6:10 p.m. Toronto at Tampa Bay, 6:10 p.m. Houston at Baltimore, 7:05 p.m. Detroit at Chicago White Sox, 7:10 p.m. LA Angels at Minnesola, 7:10 p.m. Seattle at Kansas City, 7:10 p.m.

NATIONAL LEAGUE EAST DIVISION

LAST DIVISION							
	W	L_	Pct	GB			
z-New York	95	56	.629	_			
z-Atlanta	93	56	.624	1			
Philadelphia	81	67	.547	121/2			
Miami	61	89	.407	331/2			
Washington	52	97	.349	42			
CENTRAL DIVISION							
	W	L	Pct	GB			
St. Louis	88	63	.583	_			
Milwaukee	79	70	.530	8			
Chicago	64	85	.430	23			
Cincinnati	59	90	.396	28			
Pittsburgh	55	94	.369	32			
WEST DIVISION							
	W	L	Pct	GB			
x-Los Angeles	103	46	.691	_			
San Diego	83	67	.553	20:/2			
San Francisco	73	77	.487	30:/2			
Arizona	70	80	.467	33:/:			
Colorado	64	86	.427	39:/2			

San Francisco 3, Colorado 0 St. Louis 5, San Diego 4 Chicago Cubs at Pittsburgh Milwaukee at Cincinnati Atlanta at Philadelphia Arizona at L.A. Dodgers

Washington 3, Atlanta 2 Milwaukee 6, N.Y. Mets 0 Cincinnati 5, Boston 1 Chicago Cubs 4, Miami 3 N.Y. Yankees 14, Pittsburgh 2 Philadelphia 4, Toronto 3, 10 innings San Francisco 6, Colorado 1 Arizona 6. L.A. Dodgers 1

Friday - All Times Eastern

Chicago Cubs (Assad 1-2) at Pittsburgh (Wilson 3-9), 6:35 p.m. Milwaukee (Alexander 2-3) at Cincinnati (Minor 4-12), 6:40 p.m. Washington (Gray 7-9) at Miami (TBD), 6-40 p.m. Atlanta (Odorizzi 5-5) at Philadelphia (Nola 9-12), 7:05 p.m. San Diego (Manaea 7-9) at Colorado (Feltner 3-8), 8:10 p.m. N.Y. Mets (Bassitt 14-8) at Oakland (Irvin 9-11), 9:40 p.m. 9-11), 9:40 p.m San Francisco (Rodon 13-8) at Arizona (TBD), 9:40 p.m. St. Louis (Quintana 5-6) at L.A. Dodgers (Heaney 3-2), 10:10 p.m.

Atlanta at Philadelphia 4:05 p.m. N Y Mets at Oakland 4:07 n m Washington at Miami, 6:10 p.r Chicago Cubs at Pittsburgh, 6:30 p.m. Chicago Cubs at Pittsburgh, 6:35 p.m. Milwaukee at Cincinnati, 6:40 p.m. San Diego at Colorado, 8:10 p.m. San Francisco at Arizona 8:10 p.m. San Francisco at Arizona, 8:10 p. St. Louis at L.A. Dodgers, 9:10 p.

NFL

AMERICAN CONFERENCE							
	W	L	T Pct	PF PA			
EAST							
Buffalo	2	0	01.000	72 17			
Miami	2	0	01.000	62 45			
N.Y. Jets	1	1	0 .500	40 54			
New England	1	1	0 .500	24 34			
SOUTH							
Jacksonville	1	1	0 .500	46 28			
Houston	0	1	1 .250	29 36			
Indianapolis	0	1	1 .250	20 44			
Tennessee	0	2	0.000	27 62			
NORTH							
Baltimore	1	1	0 .500	62 51			
Cleveland	1	1	0 .500	56 55			
Pittsburgh	1	1	0 .500	37 37			
Cincinnati	0	2	0.000	37 43			
WEST							
Kansas City	2	0	01.000	71 45			
Denver	1	1	0 .500	32 26			
L.A. Chargers	1	1	0 .500	48 46			
Las Vegas	0	2	0.000	42 53			
NATIONAL C	ONI	E	RENCE				

	W	L	T Pct	PF PA
EAST				
Philadelphia	2	0	01.000	62 42
N.Y. Giants	2	0	01.000	40 36
Dallas	1	1	0 .500	23 36
Washington	1	1	0 .500	55 58
SOUTH				
Tampa Bay	2	0	01.000	39 13
New Orleans	1	1	0 .500	37 46
Atlanta	0	2	0.000	53 58
Carolina	0	2	0.000	40 45
NORTH				
Chicago	1	1	0 .500	29 37
Detroit	1	1	0 .500	71 65
Green Bay	1	1	0 .500	34 33
Minnesota	1	1	0 .500	30 31
WEST				
Arizona	1	1	0 .500	50 67
L.A. Rams	1	1	0 .500	41 58
San Francisco	1	1	0 .500	37 26

1 1 0.500

San Francisco WEEK THREE

Baltimore at New England, 1 p.m. Buffalo at Miami, 1 p.m Cincinnati at N.Y. Jets, 1 p.m. Detroit at Minnesota, 1 p.m. Detroit at Minnesota, 1 p.m.
Houston at Chicago, 1 p.m.
Kansas City at Indianapolis, 1 p.m.
Las Vegas at Tennessee, 1 p.m.
New Orleans at Carolina, 1 p.m.
Philadelphia at Washington, 1 p.m.
Jacksonville at L.A. Chargers, 4:05 p.m.
Atlanta at Seattle, 4:25 p.m.
Green Bay at Tampa Bay, 4:25 p.m. L.A. Rams at Arizona, 4:25 p.m. San Francisco at Denver, 8:20 p.m.

OFF THE MARK

Dallas at N.Y. Giants, 8:15 p.m.

MLS

EASTERN	CONFERENCE

EASTERN CO	JIVI	L	(EI	AC.			
	GP	W	L	Т	GF	GA	Pt
x-Philadelphia	32	18	4	10	68	22	64
x-Montreal	32	18	9	5	59	49	59
x-N.Y. Red Bulls	32	14	10	8	47	39	50
New York City	32	14	11	7	53	39	49
Orlando	31	13	12	6	40	46	45
Cincinnati	31	11	8	12	56	50	45
Miami	31	12	13	6	41	52	42
Columbus	31	9	7	15	41	36	42
Atlanta	32	10	12	10	46	50	40
Charlotte	31	12	17	2	38	48	38
New England	32	9	12	11	44	48	38
Chicago	32	9	15	8	35	45	35
Toronto	32	9	16	7	49	61	34
D.C.	32	7	19	6	34	65	27
WESTERN C	ON	FE	RE	NC	Ε		
	GP	W	L	Т	GF	GΑ	Pt

y-Los Angeles	33	20	8	4	64	36	64		
x-Austin	32	16	9	7	64	46	55		
x-Dallas	32	13	8	11	46	35	50		
Nashville	32	12	9	11	50	39	47		
Portland	32	11	8	13	51	48	46		
Minnesota	32	13	13	6	46	49	45		
L.A. Galaxy	31	12	12	7	51	47	43		
Salt Lake	32	11	11	10	39	43	43		
Vancouver	32	11	14	7	38	55	40		
Seattle	31	12	16	3	44	42	39		
Colorado	32	10	13	9	44	56	39		
Kansas City	32	10	15	7	40	52	37		
Houston	32	9	17	6	40	52	33		
San Jose	31	7	14	10	46	64	31		
x — clinched playoff berth; y —									
clinched confer	clinched conference title. Note: Three								
points for a win, one for a tie.									

Saturday All Times Eastern

L.A. Galaxy at San Jose, 10 p.m.

FNGI AND

PREMIER LEAGUE

	GΡ	W	D	L	GF	GA	Pi
Arsenal	7	6	0	1	17	7	18
Man City	7	5	2	0	23	6	17
Tottenham	7	5	2	0	18	7	17
Brighton	6	4	1	1	11	5	13
Man United	6	4	0	2	8	8	12
Fulham	7	3	2	2	12	11	11
Chelsea	6	3	1	2	8	9	10
Liverpool	6	2	3	1	15	6	9
Brentford	7	2	3	2	15	12	9
Newcastle	7	1	5	1	8	7	8
Leeds	6	2	2	2	10	10	8
Bournemouth	7	2	2	3	6	19	8
Everton	7	1	4	2	5	6	7
Southampton	7	2	1	4	7	11	7
Aston Villa	7	2	1	4	6	10	7
Crystal Palace	6	1	3	2	7	9	6
Wolverhamptor	1 7	1	3	3	3	7	6
West Ham	7	1	1	5	3	9	4
Nottingham Frs	† 7	1	1	5	6	17	4
Leicester	7	0	1	6	10	22	1
Saturday, Oct. 1	<u> </u>	All	Tin	nes	Eas	tern	
Arcanalus Tottonham 7:30 a m							

Arsenal vs. Tottenham, 7:30 a.m.
Bournemouth vs. Brentford, 10 a.m.
Crystal Palace vs. Chelsea, 10 a.m.
Fulham vs. Newcastle, 10 a.m.
Liverpool vs. Brighton, 10 a.m.
Southampton vs. Everton, 10 a.m.
West Ham vs. Wolverhampton, 12:30 p.m.

CANADIAN PREMIER LEAGUE

	GP	W	L	Т	GF	GΑ	Pf		
Ottawa	25	11	5	9	29	25	42		
Calgary									
Hamilton	24	12	8	4	43	23	40		
Victoria	24	10	7	7	32	32	37		
Winnipeg	25	10	8	7	33	26	37		
York	25	8	11	6	26	32	30		
Halifax	25	8	12	5	23	33	29		
Edmonton	25	3	15	7	27	48	16		
Friday — All Times Eastern									
Winnipeg at York, 7:30 p.m.									

Saturday Victoria at Halifax, 2:30 p.m. Ottawa at Calgary, 5:30 p.m.

VE	EK	16	
			_

	GP	W	L	Т	PF	PA	Pl
Toronto	12	7	5	0	288	277	14
Montreal	12	5	7	0	315	321	10
Hamilton	13	4	9	0	299	361	8
Ottawa	12	3	9	0	249	291	6
WEST DIVISION	NC						
	GP	W	L	Т	PF	PA	P
x-Winnipeg	14	12	2	0	403	297	24
British Columbia	12	۵	2	Λ	380	268	18

x-Winnipeg	14	12	2	0	403	297	24
British Columbia	12	9	3	0	380	268	18
Calgary	13	8	5	0	408	318	16
Saskatchewan	14	6	8	0	329	359	12
Edmonton	14	4	10	0	288	467	8
x — clinched playoff berth. Note: Two							
points awarde	d fo	or a	wir	1, 0	ne fo	r a tie	2.
Byes: Edmont	on,	Sas	skat	tche	wan	and	
Winnipeg							

- All Times Easterr Hamilton at Montreal, 7:30 p.m.

Toronto at Ottawa, 7 p.m. Calgary at British Columbia, 10 p.m.

GOLF

PRESIDENTS CUP

At Charlotte, N.C. Yardage: 7,047; Par: 71 FOURSOMES United States 4, International 1

Patrick Cantlay and Xander Schauffele, United States, def. Adam Scott and Hideki Matsuvama, International, 6&5. Hideki Matsuyama, International, 6& Jordan Spieth and Justin Thomas, United States, def, Sungjae Im and Corey Conners, International, 2&1. Cameron Young and Collin Morikaw United States, def. Tom Kim and K.H. Lee, International, 2&1. Siwoo Kim and Cameron Davis, Australia. def Scottlie Scheffler and S. Australia, def. Scottie Scheffler and Sam Burns, United States, 2-up. Tony Finau and Max Homa, United States def. Taylor Pendrith and Mito Pereira. International, 1-up.

Friday — All Times Eastern FOURBALL

Corey Conners and Taylor Pendrith International, vs. Billy Horschel and Homa, United States, 12:35 p.m.

FIBA WOMEN'S BASKETBALL WORLD CUP

PRELIMINARY ROUND

At Sydney, Australia At Sydney, Australia Thursday China 107 South Korea 44 France 70 Australia 57 Japan 89 Mail 56 Puerto Rico vs. United States Serbia vs. Japan Belgium vs. South Korea

Canada 67 Serbia 60 Puerto Rico 82 Bosnia & Herzegovina 58 United States 87 Belgium 72

Friday — All Times Eastern China vs. Bosnia & Herzegovina, 12:30 a.m. France vs. **Canada**, 4 a.m. Mali vs. Australia, 6:30 a.m.

U SPORTS FOOTBALL

WEEK FIVE

Saskatchewan at Alberta, 9 p.m. Regina at British Columbia, 10 p.m.

TELEVISION FRIDAY (ALL TIMES EASTERN)

BASEBALL

MLB: Toronto Blue Jays at Tampa Bay Rays, SN Ontario, East, West, Pacific, 7 p.m. MLB: Seattle Mariners at Kansas City Royals, SN1, 8 p.m.

Shakur Stevenson vs. Robson Concei-cao, TSN2, 10 p.m.

CURLING

PointsRet Invitational: Flite 8 TSN1 10 a.m., 3 p.m.

CFL: Hamilton Tiger-Cats at Montreal Alouettes, TSN 1, 4, 7:30 p.m. NCAA: Virginia at Syracuse, TSN2, 7 p.m.

esidents Cup: Day 2, GOLF, 11:30 a.m.

PGA Champions: PURE Insurance Championship, 1st Rd., GOLF, 10 p.m.

Men's International Friendlies: Canada

vs. Qatar, OneSoccer, fuboTV, 1 p.m.

ATP: Laver Cup, 7:30 a.m., TSN5, 2 p.m.

CORNERED



"No cash - no worries."

SO, THIS IS WHERE YOU GO ON GIRLS' NIGHT OUT?!

SPEED BUMP



BIZARRO



Hoilett to captain Canadian men's soccer team in friendly against Qatar

With Hutchinson sidelined by a bone bruise, veteran takes the lead for friendly in Vienna

NEIL DAVIDSON

In the absence of the injured Atiba Hutchinson, David (Junior) Hoilett will captain Canada in an international friendly against Qatar on Friday in Vienna.

The 39-year-old Hutchinson, Canada's all-time men's caps leader with 97 senior appearances, has been sidelined by a bone bruise suffered in preseason with Turkey's Besiktas. The 32-year-old Hoilett takes over the captain's armband in his 48th appearance for Canada.

"He'll lead the team out," Herd-man said Thursday. "He's in won-derful form at his club at Reading near the top of the Championship [England's second-tier].'

Herdman is expecting a welldrilled opponent in the World Cup host at the Generali Arena, which is home to Austria Vienna.

"Qatar will probably be the most prepared team going in to the World Cup," Herdman said. 'The investment that's gone into them is pretty unique - being able to use all of the opportunities that they have as a country to centralize their players and pretty much play like a club team.'

The players are largely drawn from Qatar teams, with Al Sadd and Al-Duhail leading the way.

Herdman noted Qatar played club sides in Italy's Lazio and Fiorentina during the summer and is coming off a game against the Croatian under-23 team this week

"They're a team that is well organized, very disciplined, a good footballing team. And you can tell they know each other inside-out.



Canada forward Junior Hoilett leaps over Cuba defender Karel Espino during a match in 2019. Hoilett will wear the captain's armband in Friday's game against Qatar. COLE BURSTON/THE CANADIAN PRESS

So this is going to be a real challenge for Canada'

Qatar is ranked 48th in the world, five places below Canada. The World Cup hosts will play out of Group A at the World Cup along with the eighth-ranked Netherlands, No. 18 Senegal (the reigning Africa Cup of Nations champion) and No. 44 Ecuador.

Canada, which has never faced Qatar before, takes on No. 13 Uruguay next Tuesday in Bratislava, Slovakia.

For the Canadians, it's a first get-together since an ill-fated camp in June in Vancouver when players refused to play a friendly against Panama due to a contract dispute. The team put the impasse behind it to play Curacao and Honduras in CONCACAF Nations League matches June 9 and 13. But contract talks continue. Canada's final World Cup warm-up is Nov. 17 against No. 24 Japan in Dubai. The Canadians open tournament play against No. 2 Belgium on Nov. 23 in Group

A congested schedule, in part due to the pandemic, has made for a busy workload for Herdman's players of late. The coach is having to balance the desire to prepare the team for Qatar with a few games remaining, while not overloading players coming off a hectic club schedule.

'Some players are probably overloaded," he said. "Which just means we've got to taper a little bit around these games and be smart. It's exciting to have them back and you just want them playing two matches because you

haven't had them for three months. But unfortunately some of them have been heavily loaded at their clubs so are coming in needing a bit of rest.'

But Herdman knows the talent at hand and what's needed to get to "that next-level standard that we are going to have to reach."

"Having been four years on this journey, if you don't know your team now you're in a bit of trouble," he told The Canadian Press. "I think it's clear in our minds there's a core group and there's a group of players that are trying to surprise, push, shock, to give us something else to think about.

Club Brugge winger Tajon Buchanan is returning from injury and will likely only make the bench for the Uruguay game "if

he meets all the markers." Toronto FC defender Doneil Henry, who came down with a hamstring problem on the eve of camp, is with the team but not expected to see action.

Herdman wanted Henry to be part of the camp "to keep him close to this team."

"He's been a big presence in the dressing room. He's a real leader of men."

Qatar is coached by Felix Sanchez, a 46-year-old Spaniard who was a Barcelona youth coach before moving to Qatar in 2006 to join the Aspire sports academy. He transitioned to coaching Qatar youth teams, taking over the senior squad in 2017.

Qatar has never been ranked higher than No. 42, with a low of No. 113.

Qatar missed out on World Cup qualification in 2018, finishing bottom of its six-team thirdround qualifying group at 2-7-1. But Sanchez led Qatar to victo-

ry at the 2019 Asian Cup, winning seven straight games while outscoring the opposition 19-1. The Qataris defeated Iraq, South Korea and the host United Arab Emirates in the knockout rounds before beating Japan 3-1 in the final.

Almoez Ali led the tournament in scoring with a record nine goals.

The team also features star winger Akram Afif, named Asian Football Confederation (AFC) Player of the Year in 2019. Veteran Hassan Al-Haydos captains the squad.

Qatar, a guest team, failed to advance out of the group stage at the 2019 Copa America, tying Paraguay 2-2 before losing 1-0 to Colombia and 2-0 to Argentina.

Qatar finished third at the 2021 FIFA Arab Cup, defeating Egypt in a penalty shootout after losing 2-1 to eventual champion Algeria in the semi-final.

THE CANADIAN PRESS

Federer and Nadal to team up in doubles at Laver Cup on Friday

HOWARD FENDRICH LONDON

It was quite a collection of tennis luminaries sharing the black indoor hard court for a Laver Cup doubles practice session Thursday, 66 Grand Slam titles among them, a group collectively nicknamed the Big Four: Roger Feder-er and Rafael Nadal on one side of the net; Novak Djokovic and Andy Murray on the other.

This team event founded by his management company marks the end of Federer's career, and his last match will come Friday night alongside long-time rival Nadal for Team Europe against the Team World doubles pairing of Frances Tiafoe and Jack Sock. "I'm not sure if I can handle it

all. But I'll try," the 41-year-old Federer said about his sure-to-beemotional on-court farewell after 20 major championships, a total of 103 tournament titles and hundreds of weeks at No. 1 across nearly a quarter of a century as a



Spain's Rafael Nadal, left, and Switzerland's Roger Federer attend a training session ahead of the Laver Cup tennis tournament at the O2 in London on Thursday. KIN CHEUNG/THE ASSOCIATED PRESS

left, and Djokovic and Murray, both 35, a couple of seats down to his right, "it feels good that I go first from the guys. It feels right."

Federer is ending his playing days following a series of operrederer is entuing ins playing professional tennis player.

"Sitting here," Federer said attions on his right knee. He hasn't competed since a quarter-final loss at Wimbledon to Hubert Hur-

kacz in July 2021.

In February of this year, when word emerged that Federer would be in London this week, he said Nadal messaged him suggesting they play doubles together again. They teamed up to win a doubles match during the first La-

"I saw him playing on TV before I arrived on tour. I saw him having success on TV, and then (we were) able to create an amazing rivalry together. And on the other hand, something that probably we are very proud of is having a friendly rivalry," Nadal said Thursday. "Tomorrow is going to be a special thing. Difficult. Going to be difficult to handle everything, especially for Roger, without a doubt. But for me, too. At the end, one of the most important players – if not the most important player – in my tennis ca-reer is leaving."

They played each other in sin-

gles 40 times (Nadal won 26), including 14 Grand Slam matchups (Nadal won 10). Nadal came out on top in their classic 2008 Wimbledon final, considered by some the greatest match in history; Federer won their last showdown in the 2019 semi-finals at the All England Club.

"To be part of this historic moment." Nadal said about Friday. is going to be something amazing, unforgettable."

Tiafoe, a 24-year-old American who beat Nadal en route to his

first Grand Slam semi-final at the U.S. Open this month, dead-panned: "Yeah, I'm just excited to play two up-and-comers tomor-

Added Tiafoe: "It's going to be iconic to be a part of that. Both guys are absolute legends. And obviously, (it's) Roger's last dance.

The full lineup for Day 1 of the three-day Laver Cup was announced Thursday.

The singles matches will be Sock against two-time 2022 Grand Slam finalist Casper Ruud of Team Europe, Diego Schwartz-man of Team World against 2021 French Open runner-up Stefanos Tsitsipas of Team Europe, and Alex de Minaur of Team World against three-time major champion Murray, before the Federer-Nadal doubles match closes the schedule.

Everyone knows what the main event will be: Federer's goodbye.

"For me." Murray said, "it feels right seeing him and Rafa on the same side of the net together."

THE ASSOCIATED PRESS

Veteran linebacker Muamba full participant in Argonauts practice

DAN RALPH

Ryan Dinwiddie got some good news Thursday.

Veteran Canadian linebacker Henoc Muamba was a full participant in practice. He didn't practise Tuesday due to an abdominal ailment and was limited Wednesday.

So all signs point to Muamba playing Saturday night when Toronto (7-5) visits the Ottawa Redblacks (3-9). The Argos can cement a CFL playoff spot with a

"We'll see," Dinwiddie said. "I know he felt pretty good [Thursday] but we're not out there banging, doing any of those

"He's got to feel really good about it. We'll probably talk more [Friday]."

But Muamba left little doubt that anything short of a broken leg won't keep him out of the lineup Saturday.

"It's always like that for me but games are becoming more

and more meaningful and that's how you like it," Muamba said. "This is a time of the year when you want to play these type of games.

"I relish these opportunities. I'm not taking any of these games for granted at all so I'm excited to be out there."

Veteran defensive lineman Ja'Gared Davis (knee) was also a full participant Thursday after going on the six-game injured list in August. Dinwiddie expects Davis to be a game-time deci-

If Davis does play, it likely will be with a knee brace.

Dinwiddie said veteran Canadian fullback Declan Cross (ankle) will suit up against Ottawa, which should help both Toronto's rushing offence and special

"He brings a little bit of toughness to us in the downhill run game as far as blocking the edge," Dinwiddie said. "He's also great on punt protection and kickoff returns, we missed him

on special teams as well."

Australian punter John Haggerty (hip) will be a game-time decision. If he can't go, veteran kicker Boris Bede will also handle punting duties, something he's done throughout his CFL tenure

But Dinwiddie said American running back Javon Leake (hamstring) needs more recovery time.

Injuries, Dinwiddie said, are iust a fact of life in professional football.

"We just say, 'Next man up,' that's kind of our motto," he said. "You're going to deal with injuries week to week and sometimes they're going to happen at the end of the week and you've got to live with it.

"That's kind of how we roll, right, and kind of what we did

American defensive lineman Damontre Moore is completing his first week of practice with Toronto. The 10-year NFL veteran signed with the Argos on Sunday and said his new teammates have helped him adjust to the

nuances of Canadian football. "But at the end of the day football is football," Moore said. You see ball, you get ball.

"The first day I got out there and it felt a little shaky but by the end of practice I was humming just like I've been here with the guys all training camp. That's a testament to having a great coach [defensive coordinator Corey Mace] teaching me and the guys being unselfish [and] taking me under their wing."

However, the 6-foot-4, 260-pound Moore couldn't say if he'll be playing Saturday.

"Hey man, we'll see what happens," he said with a chuckle. Time will tell. "It's above my pay grade."

Toronto comes in having won three straight, including a 24-19 decision in Ottawa on Sept. 10 before both teams headed into a bye week. The Argos' defence hasn't allowed more than 20 points over the current win streak and a combined 47 points

over that span. "We're gelling more, we're the canadian press

communicating better, we're getting a better understanding of the playbook," Muamba said. "I don't think we've played our best football vet.

"Specifically on defence we either start fast and don't finish strong or we start slow and finish strong. We want to be able to put full games together because we don't want to give up opportunities or a chance for the opposing offence to stick around. We don't feel like we've done that so far."

Dinwiddie doesn't want his team dwelling upon the playoff implications of Saturday's con-

"We've just been talking about the process," he said. "I told the guys, 'Don't even look at the standings.'

"We started off after the first nine weeks and said, 'Now it's a new season,' and we're 3-0 now trying to get to 4-o. We just take it one day at a time understanding we've got work to do to be able to prepare on game day."

B18 | REPORT ON BUSINESS O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022

Celtics coach faces possible suspension

Boston may punish Ime Udoka for an 'improper intimate and consensual relationship' with female employee

JIMMY GOLEN TIM REYNOLDS BOSTON

The Boston Celtics are planning to discipline coach Ime Udoka, likely with a suspension, because of an improper relationship with a member of the organization, two people with knowledge of the matter told The Associated Press on Thursday.
The people spoke on condition

of anonymity because the reigning Eastern Conference cham-

pions have not revealed any details publicly. The exact puni-shment, including the length of the possible suspension, has not been determined.
One of the people who spoke

said the Celtics have decided that assistant coach Joe Mazzulla will take over the team on an interim basis if Udoka is suspended.

ESPN first reported Wednesday night that a suspension was under consideration for the team policy violation. ESPN and The Athletic later reported that the Celtics' investigation revolves around whether Udoka had an inappropriate relationship with a member of the organization.

Losing Udoka would be a significant blow to a team that is widely considered among the favorites to contend for an NBA title this season, after falling only two

games short of winning the championship last season in his debut year.

The Celtics open training camp on Tuesday. If Udoka - who was fourth in the NBA's coach of the year balloting last season - will not be allowed to lead the team, it would add to a run of issues the club is facing going into the start of formal practices.

Boston made some big moves early in the offseason, acquiring Malcolm Brogdon in a trade from Indiana to bolster an already-strong backcourt, then added sharpshooting veteran forward Danilo Gallinari as a free agent.

But last month, Gallinari tore the ACL in his left knee and will be lost for the coming season. Centre Robert Williams, a major part of Boston's defensive scheme who played through knee issues during last season's playoffs, is still dealing with knee problems and isn't expected to be ready to start this season.

The Celtics were also mentioned prominently in trade speculation surrounding Brooklyn forward Kevin Durant, a peren-nial all-star who wanted to be moved elsewhere by the Nets -then pulled back that demand after several weeks.

And now comes the Udoka matter.

Mazzulla interviewed for the Utah Jazz coaching job this summer, a position that ultimately went to Will Hardy, another one of Udoka's assistants in Boston last season. Udoka's other assistant coaches are Damon Stoude-mire, Ben Sullivan, Aaron Miles

and Tony Dobbins.

Udoka had a brilliant first sea-

son as coach of the Celtics, finishing the regular season at 51-31 - going 26-6 in the final 32 games and leading Boston past Brooklyn, Milwaukee and Miami on the way to the NBA Finals. The Celtics lost the title series to the Golden

State Warriors in six games. It's the second major disciplinary situation in as many weeks in the NBA, following the decision last week by commissioner Adam Silver to suspend Robert Sarver the owner of the Phoenix Suns and WNBA's Phoenix Mercury for one year and fine him US\$10million after an investigation showed his pattern of disturbing workplace conduct, including abusive and racist language. Sarver said Wednesday he intends to sell his teams.

THE ASSOCIATED PRESS

FIBA: 'What I love is that he loves to teach the game'

"We were really similar and kind of the same for a long time," Nurse said. "And there's a lot of unpredictability to what we want to do offensively and defensively, to what this coaching staff and what Victor wants to do as schemes. And so I like that about our team. We're young, we're exciting, we're excited to be here. And I think a little bit of that unpredictability will give us a shot at some special stuff.'

She's also loves Lapena's enthusiasm. "He's brought an energy to us that I'm not sure we've seen before," Nurse said this week from Australia. "Like, when I tell you, this man has energy, there's a different level of energy that Victor has every single day, like never tires type of energy. And what I love is that he loves to teach the game."

Lapena was pleased with the poise his team showed against Serbia, the 2020 EuroBasket champion. Trailing in the early minutes, the Canadians took the lead for good in the second quarter, and then staved off every Serb

run.
"Coach is always on us about being poised no matter if you have the ball down low or are bringing it up the court," guard



Victor Lapel, head coach of Canada's women's basketball team, has previously coached pro teams in Spain, Russia and Turkey, and worked with Spain's national program. MARK METCALFE/GETTY IMAGES

Shay Colley said.

Serbia was all over the glass in the early going, outrebounding the Canadians 15-7 in the first quarter and grabbing six offensive boards to Canada's one.

The Canadians regrouped and held Serbia to zero offensive rebounds in the second quarter. and by halftime Canada had forced 11 Serbian turnovers.

By game's end, the Serbs had

coughed up the ball 19 times to Canada's 14. Carleton, who had seven points, five rebounds, two steals and a block in the victory, had predicted Canada's defensive energy and versatility would pay

off in Australia.

"The way we're able to switch from different defences, we have like five different defences we can throw at teams. In exhibition games [versus China and Puerto Rico], we ran all five against both of those teams and that's really fun just to keep other teams on their toes and kind of mix 'em up a little bit," said Carleton, a forward for the Lynx

Achonwa said it's interesting that Lapena doesn't necessarily scout for particular sets or particular teams.

"We are putting in place a structure of how we play," she said. "That really helps because when you are put in situations like 'Oh, they didn't run the play right, what are we going to do? you take away those, when you put in such a defensive structure that you can mould and bend to whoever you're playing, or what-ever play they're running."

No. 4 Canada needs to finish top four in its group to advance to the knockout stage. After facing sixth-ranked France, the Canadians takes on Japan, the reigning Olympic silver medalists, on Sunday, then Australia on Monday before wrapping up group play on Tuesday against Mali.

THE CANADIAN PRESS



International Team golfer Corey Conners of Listowel, Ont., hits a bunker shot on the fifth fairway during foursomes match play at the Presidents Cup at Quail Hollow Club in Charlotte, N.C., on Thursday. JIM DEDMON/USA TODAY SPORTS VIA REUTERS

Presidents: Home-course advantage heavily in favour of American team

FROM B15

"I was just really proud of the way I started hitting good shots when it mattered, and I was really proud of the way Woo started getting the putts at perfect speed."

Patrick Cantlay and Xander Schauffele beat Australia's Adam Scott and Japan's Hideki Matsuyama 6 and 5. Americans Cameron Young and Collin Morikawa downed Tom Kim and K.H. Lee, both from South Korea, 2 and 1.

Typically a biennial event, the 2021 Presidents Cup was postponed one year due to the COVID-19 pandemic. Venues alternate between the U.S. and international locations, with Royal Montreal Golf Club scheduled to play host to the Presidents Cup in 2024.

This year's edition is undeniably on American soil, with fans wearing star-spangled outfits, loudly cheering their team and booing when international fans tried to get their own

chants going.

The internationals weren't without their supporters, however. A pair of fans from Winnipeg were dressed as Mounties despite the 35 C heat, with a Canadian flag draped off the grandstand tightly hugging the first tee box. They chanted Conners's and Pendrith's names when they were introduced to the crowd, even if they were quickly drowned out by "U-S-A'

"I've never experienced anything like this before. It was crazy. It was so much fun," Pendrith said. "Tons of people, good support for the international team.

The first tee shot was quite the experience, got up there and hit it right down the middle and settled in after that.'

SENATORS' BATHERSON SAYS HE IS 'CO-OPERATING' WITH HOCKEY CANADA INVESTIGATIONS

Ottawa Senators forward Drake Batherson says he is co-operating with investigations into allegations of sexual assault involving players from the 2018 Canadian world junior team.

Batherson spoke to reporters Thursday as the Senators opened training camp and said he would have no further comment on the investigations

Hockey Canada, the NHL and police in London, Ont., are investigating allegations that a woman was sexually assaulted by eight players, including members of the 2018 world junior team, after a gala celebrating the team's gold medal.

Batherson and Senators forward Alex Formenton were members of that team.

The allegations have not been tested in court.

Batherson was asked why he hasn't released a statement proclaiming he was not involved in the alleged incident, as some others on the team

have done. "No comment," he

The alleged incident, along with another allegation involving the 2003 world junior team, has put Hockey Canada under scrutiny. Current and former members of Hockey Canada's brass have been ordered to testify in front of a parliamentary committee on Oct. 4. It will be the third time leaders of the sport's governing body have been called to Otta-

wa to testify. Asked for his take on hockey culture, Batherson said he is

"living the dream." "I'm having a blast every day, so I can't complain," he added.

Formenton is a restricted free agent and general manager Pierre Dorion said he will not be in camp until he agrees to a

new contract. Dorion said the ongoing investigations have not affected Ottawa's negotiations with free agents. THE CANADIAN PRESS

CANADIAN WOMEN FACE FIJI IN FINAL INTERNATIONAL TEST BEFORE RUGBY WORLD CUP

Canada plays its final test match ahead of next month's Women's Rugby World Cup when it takes on Fiji on Friday at HFC Bank Stadium in Suva.

The third-ranked Canadians are en route to New Zealand. where they open Pool B play against No. 13 Japan on Oct. 9 (New Zealand time) before facing No. 5 Italy and the sixthranked U.S

Fiji, ranked 21st in the world, is in Pool C with top-ranked England, No. 4 France and No. 11 South Africa.

Canada coach Kevin Rouet calls the Fiji test "our final chance to give valuable playing time to a wider squad and is imperative as our final preparation before the start of the

Rugby World Cup." Veteran forward Tyson Beuke-

boom will earn her 50th cap if she comes off the bench. The Canadian women could move up to No. 2 in the rankings with a win over Fiji combined with a New Zealand loss to Japan by more than 15 points, an unlikely scenario if truth be told given the Black Ferns are No. 2 in the world. Canada will fall to fourth if they lose to Fiji with France the beneficiary.

Fiji will enter the top 20 for the first time since the rankings were introduced in February, 2016 if it avoids defeat against Canada.

The Canadian women are coming off home wins over Italy, 34-24 in July in Langford, B.C., and No. 9 Wales, 31-3 in August in Halifax.

Fiji is 3-2-0 in test matches this year, losing to No. 13 Japan (28-14) and No. 7 Australia (36-19). Its three victories include a 152-0 shellacking of No. 49 Papua New Guinea in the Oceania Rugby Women's Championship in July in New Zealand, the highest-ever score in a women's

test match. THE CANADIAN PRESS

THE CANADIAN PRESS

BIRTH AND DEATH NOTICES

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■ DEATHS



THOMAS EARL BENNER

January 5, 1950 - September 21, 2022

In his own words, Tom left this planet peacefully. He died at home with his best friends, Pauline and Dennis, at his side. What a life he lived!

Tom was born and raised in London, Ontario. He studied art at H.B. Beal Secondary School. Tom always wanted to be an artist and he loved making art. He was a voracious reader and scoured the library researching

Tom continued to create sculptures, in spite of living with Parkinson's, until he passed away. His most recent works were a life-sized Polar Bear and an oversized Sandhill Crane - both happily residing on the farm of a private

He had so many more sculptures to build.

Tom has been a large part of the Canadian art scene since the early 1970s. His iconic "White Rhino" graces the front lawn of Museum London. His work has appeared in solo and group exhibitions across Canada, the United States, and internationally. His art can be found in the permanent collections of the Art Gallery of Ontario, the Confederation Centre for the Arts, the Tom Thomson Gallery, major galleries across Canada, in public institutions, concrete collections and in many rivista art collections. corporate collections, and in many private art collections

A sculptor, a painter and an installation artist, Tom was ahead of his time. His work has been described as multi-layered, physically demanding, powerful, and political. He expressed his ideas through finely crafted, idiosyncratic, complex objects intended to delight the eye while challenging the viewer to question how we live in this world.

Tom created sculptures and paintings to commemorate his favourite trees, endangered and extinct wildlife, and little known or lost Indigenous trees, endangered and extinct wildlife, and little known or lost Indigenous histories within the Canadian narrative. Noted art scholar, Joan Murray, said "Tom Benner is a spirit for the twenty-first century, eloquent without being didactic, serious without being weighty. Benner's work offers a timely perspective. He ventures into unknown territory and subjects, contending with realities and ambiguities while looking ahead. His work is far-sighted and prophetic. He is already some kind of classic to be understood and valued. His work will continue to reward viewers who seek artists relevant to the crucial issues of nature, Indigenous histories, and the environment today. It will take us a while to catch up." today. It will take us a while to catch up.

Art critic, Gary Michael Dault, wrote in the *Globe and Mail* after visiting Tom's Auto Show exhibit at University of Toronto, "what Benner does have at the ready is a profound and rather urgent sense of the distortions of history and a passionate need to question received ideas. I think of Benner as a rolling anthropologist. He sees himself as a historian."

Tom was renowned for his cooking skills and storytelling, both of which he shared generously. His jalapeños rellenos and tacos were a favourite of family and friends. He held his children and nieces and nephews in awe (or doubled over in laughter!) as he told and retold his childhood adventures. They will carry those stories with them forever.

Deeply missed by his wife, Pauline McHenry; his brother-in-law, Dennis; extended family; and close friends. Tom's quiet strength and creative talent live on in his much loved children: Alice (Rich), Leif (Karen), Traven (Kristin); grandchildren, Max, Luc, Elijah, Henry, Lucinda, and Elora. He is survived by his siblings, Ron (Jamelie), Cathy (Tony d.), David (Yin) and Lori (Alan).

During these last months, Tom was grateful to our thoughtful, cherished friends, our family, and our neighbours who have dropped by with food, flowers and many a kind word. You mean so much to us. The last part of Tom's journey was made easier with your love, support and kindness. A special mention to the incredible support staff at Medical Priorities who were key in Tom's care.

We will miss you Tommy.

At Tom's request, no service will be held. Please send flowers to someone you care about and think of Tom. Arrangements entrusted with Cremation London & Middlesex, 519-858-2467. Online condolences shared at www.cremationlondon.com

HEINZ KLOSS 1934 - 2022

Caroline and Sonia Kloss are heartbroken to announce the death of our father, Heinz Kloss, on

September 21, 2022. Heinz leaves his loving wife of 66 years, Vera, son-in-law, Kurt, and two grandchildren, Rebecca and Fletcher.

Dad's life was defined by his passions: sailing, camping, Killbear Park, Georgian Bay, kayaking, woodworking, and cross-country skiing. We learned from him that being in touch with nature and close to the water nourishes the soul. Also that nothing was beyond our capabilities, and that if something was worth doing, it was worth doing right.

Heinz was thankful for the life he was able to build in Canada and loved this country's great outdoors and all that it offered. Rest in peace Dad. May the wind be at your back and the sun upon your face as you wait for your first mate to join you.

Condolences may be sent to mcdbrownscarb.ca.

JADWIGA LUSCOMBE M.Eng P.Eng 1937 - 2022

Dowidzenia moya najdrozsza Jadzia, beloved wife for 37 years of John (Jack) Luscombe P.Eng, died from the effects of cancer on September 18 at Oakville Trafalgar Memorial Hospital.

Besides her husband, she leaves her daughter, Katarzyna: her younger brother, Jacek; her nephews, Waldek (Kasia) and Sebastian; step-son, Alan (Sue); with their children and grandchildren.

Jadwiga's M.Eng was in Metallurgy, but after arriving in Canada in 1970, she turned her talents to Electrical engineering and for 28 years was co-owner with Jack of an engineering company engineering company.

She was a wonderful woman

Visitation will be held on Visitation will be held on Saturday, September 24, 2022 at the Kopriva Taylor Community Funeral Home, 64 Lakeshore Road West, Oakville (one block East of Kerr Street) from 2 - 3 p.m. The funeral service will be held at 3 p.m. in the chapel, with a reception following the service in the lounge. Online condolences may be made on www.koprivataylor.com.

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DEATHS



FREDERICK MacKEWN

"Fred"

Passed away peacefully on September 19, 2022, in Toronto surrounded by his entire family. He will be dearly missed by his wife of 57 years, Sheila; his daughters, Kelly Osler (Jim) and Melissa MacKewn; and his grandchildren, Charlie, Duncan, Rebecca and Victoria Osler and Abby and Matthew Diduck.

Fred was born on April 17, 1936

Ontario. He was in London, Ontario. He was a keen student, graduating from the University of Western Ontario in 1956 and continuing on to Osgoode Hall law school. He was Called to the Bar on June 22nd 1960, and thereafter, enthusiastically practiced corporate commercial litigation in London, Ontario for over 50 years. He was formidable counsel with a love of conducting cross-examinations- often crossly. Over the years, he enjoyed lunches at the Big Table at the London Club, golfing and playing bridge at the Hunt Club, and spreading the word about his infamous hole-in-one to any friendly face within earshot.

Fred cared for his community and generously donated his time to numerous charitable works. He is most proud of his volunteer work with the Consistory Club which spanned over 20 years. He was proud to help those in need, often hand delivering wheelchairs and walkers to members of the community. Throughout his long-standing commitment to the Masons, which he shared with his father, he was known best for his integrity and gift as an orator.

We will miss our Pops, and in his honour, we will be raising a glass of Bushmills while listening glass of businitias While listerling to his favourite works of Mozart, thinking of sunsets in Grand Bend, evenings at Hilton Head, road-trips to Flordia, and rum-punches in Barbados. We ask that you also raise a glass in his memory.

As we remember his wonderful sense of humour and his insatiable love of lawyer jokes, one can honestly say he was a lawyer and an honest man. And, he was loved.

In lieu of flowers please consider making a donation to the London Consistory Club (Address: 160 Victoria Ave East, Crediton, ON NOM 1MO; Tel: 519-455-0433; Email: london.consistory.club @gmail.com)

■ FUNERAL SERVICES



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All shivas conclude with the onset of Rosh Hashanah on Sunday evening. Benjamin's will be closed for Rosh Hashanah Holiday on Monday and on Tuesday, re-opening on Tuesday evening. If a death occurs, please call (416) 663-9060.

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HEBREW BURIAL

Hebrew Basic Burial wishes the Community a Shana Tova.

All shivas conclude on Sunday with Rosh Hashanah.

Hebrew Basic Burial will be closed on Monday and Tuesday for Rosh Hashanah until Tuesday night. If a death occurs, please call (416) 780-0596.

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DEATHS



MARY GRACE MCCANN

Our beloved Mother, Mary Grace (nee Cunningham-passed away on Dunlop), passed away on September 19, 2022. Mary was born in Toronto, Ontario in 1931 to the late Gordon Cunninghamto the late Gordon Cunningham-Dunlop and Donna Cunningham-Dunlop (nee Evans). Mary grew up in Noranda, QC, and looked back with great fondness on the summers she and her older brother Jim spent at her grandfather's farm in Petrolia, ON. After graduating from Noranda High School in 1949, Mary acquired secretarial skills at The Mother House in Montreal. Returning to Noranda, she became secretary to the President of Noranda Mines and met the love of her life, Scott McCann, at love of her life, Scott McCann, at the local Anglican church, where Mary was the organist. Following their wedding in 1951, Scott and Mary had three children, Laura Elizabeth, Robert Scott, and Donna Elizabeth, Robert Scott, and Donna Mary. While looking after the home for Scott and the children in Thornbury, ON, Mary served as organist and choir director of St. George's Anglican Church. Relocating to Toronto in 1969, she enjoyed her lifelong passions for piano playing, reading, and a wide variety of sports, including curling, figure skating, swimming, and tennis, spending many happy and tennis, spending many happy, hours on the courts of Toronto's Granite Club. Retiring back to Thornbury in 1981, Scott and Mary Thornbury in 1981, Scott and Mary wintered at a tennis and golfing community in South Florida, and took many memorable trips, including to Wimbledon in 1982 and Sarajevo for the 1984 Winter Olympics. Eventually, the devoted couple found their way back to Toronto, where they enjoyed frequent contact with daughter Laurie and her husband daughter Laurie and her husband daughter Laurie and her husband David and visits from son Robert and husband Jim, daughter Donna, and grandchildren Robin and Kimberly. Predeceased by Scott and her beloved brother Jim, Mary will be greatly missed by her family and friends.

Condolences may be sent to Mary's family by way of Wards Funeral Home. A family celebration of her life will take place at a later date.

HARRY DONALD NOBBS

With deep sadness, we announce the passing of Harry Donald Nobbs, 100, on September 20, 2022, predeceased on September 5, 2022 by his most cherished wife, Doreen. Don leaves behind daughters, Dr. Catherine (Dr. Colin) Pryor and Elizabeth 'Buffy' (James) Knowlton. Don was the cherished OB to grandchildren, Jamieson and Sari Pryor and Mathew and Taylor Knowlton.

Marnew and laylor Knowtron.

Born in Tillsonburg, March 30, 1922, Don attained his B.A. at Western and B.Ed. at U. of T. A scholar at heart, Don studied at the Sorbonne, Paris, and became tri-lingual. He relished many fulfilling years at Northern Secondary School as Teacher Head of Moderns (Languages), and VP: at Humberside Collegiate and VP; at Humberside Collegiate as Principal; and was proud to establish Ontario's first French Language Lab. Don valued education highly and cared equally about his students and colleagues.

Don avidly supported charities the arts, education, and for the arts, education, and people in need. He deeply loved classical music, playing piano and pipe organ. A longstanding Timothy Eaton Memorial Church member, he joined the choir after retirement, continued organ study, and volunteered on numerous committees. He also served on St Matthew's House board, volunteered with CARD's board, volunteered with Carlos and helped establish a Toronto private school. He and Doreen further enjoyed traveling with lifelong family friends.

Our father always retained his love of learning. He valued every second of life, and we're grateful he's achieved the peace that his strength and integrity afforded him. We recall fondly his humor, interest in family, and love of word puzzles, well-written passages, and familiar expressions like "Come again soon!"

A celebration of life is planned for a later date. In lieu of flowers, donations would be appreciated to the Hospital for Sick Children, Humberside Collegiate, or TEMC.

DEATHS



MELVA DOREEN NOBBS

It is with great sadness that we announce the passing of Melva Doreen Nobbs (née Imrie), 95, on September 5, 2022

Doreen is survived by her most Doreen is survived by her most deeply loved husband of 71 years, H. Donald Nobbs for whom she cared into his 100th year in their family home; daughters Dr. Catherine (Dr. Colin) Pryor, and Elizabeth 'Buffy' Knowlfon (Inproc). (James); and grandchildren Jamieson and Sari Pryor and Mathew and Taylor Knowlton.

Born May 13, 1927, Doreen lived her life in Toronto. Prior to raising her family, she was very proud of her work and friends at Tidy's Flowers, the College of Physicians and Surgeons and, in later years, Dylex Corporation. Doreen was also a highly committed volunteer of over 50 years at the Hospital for Sick Children and Timothy Eaton Memorial Church. An avid contributor to numerous charities supporting the arts, education, and people with various special and medical poods. and medical needs, Doreen never waivered in her commitment to her beliefs.

Don and Doreen shared an enduring, unparalleled love of a lifetime, as well as many lifelong friendships and trips together, including Bermuda and Naples Florida, theatre outings to Niagara-on-the-Lake, and frequent meals at favourite restaurants.

Doreen, Mom, Nan... We wish you all the peace and rest you now deeply deserve. We will each miss your interest in our various challenges and accomplishments; your elegance; family gatherings at the Old Mill Inn; afternoon tea; and stickers on cards for every occasion. cards for every occasion.

A celebration of life is planned for

SHIFRA NUSSBAUM

Nussbaum/Oesterle: Shifra Nussbaum/Oesterle: Shifra Nussbaum (1924-2022), loving and beloved life partner of the late Leonhard Oesterle (1952-2009), died September 4, 2022. Shifra was a remarkable woman who never stopped being in awe of all that she witnessed in her long life. She will be greatly missed by many friends and her family, here and around the world. and around the world.

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PAT McGEER

RESEARCHER, POLITICIAN, ATHLETE, 95

ESTEEMED NEUROSCIENTIST ALSO SERVED AS A B.C. CABINET MINISTER

He played basketball in the 1948 Olympics before completing his PhD, then embarked upon research into Alzheimer's disease prior to entering politics

WENCY LEUNG HEALTH REPORTER

here are certain politicians who bristle when faced with public outcry. Some duck for cover. Some get defensive.

Pat McGeer was not one of them. The basketball star turned B.C. cabinet minister and neuroscientist didn't shy away from insults and criticism, according to former CBC journalist Greg Dickson. He readily agreed to go on call-in radio shows to take the heat from angry citizens.

In the 1970s, when bumper stickers bearing the slogan "Stick it in your ear, McGeer" appeared in response to his unpopular decision to raise car insur-ance premiums in the province, he responded with what Mr. Dickson describes as his characteristic wit; in the B.C. legislature, he dryly warned against the dangers of sticking anything in anyone's ears.

"He was a gutsy guy," Mr. Dickson said. "He was not afraid to stick his neck out."

Dr. McGeer died on Aug. 29, at the age of 95. According to his former policy co-ordinator Jane Burnes, his approach to life was captured by the quotes he kept framed behind his desk. By science-fiction writer Robert Heinlein, they read: "Specialization is for insects," and "To enjoy the flavour of life, take big bites. Moderation is for monks.

As a basketball player, he excelled. As a politician, he championed big ideas - many successful, others not. And as a researcher who focused on Alzheimer's disease and other neuro-degenerative diseases, he was prolific.

Patrick McGeer was born in Van-couver on June 27, 1927. His uncle, Ger-ry McGeer, was the mayor of Vancouver from 1935 to 1936, and served as a par-liamentarian and senator before being re-elected mayor in 1947. His father, James McGeer, was a judge, and his mother, Ada McGeer, was the first female producer at the CBC.

His mother's friend Ethlyn Trapp, the first female president of both the B.C. Medical Association and the National Cancer Institute of Canada, encouraged his eventual interest in med-

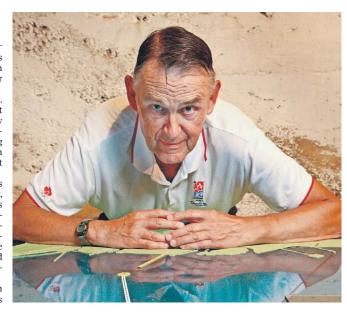
But as he told Mr. Dickson, who recorded his personal history, his first love was basketball. He played for the University of British Columbia's basketball team as an undergraduate student in chemistry. A top scorer, he helped UBC defeat the Harlem Globetrotters, then considered the best team in the world. He travelled with his teammates across the Atlantic on an ocean liner that had been used as a wartime troop ship to compete in the 1948 Olympics in London. The team came in ninth place, despite compris-ing the best players from Vancouver and Montreal, largely because they never had a chance to practise together

After the Olympics, he pursued graduate studies in chemistry at Princeton University, following in the steps of his older brother, Peter. There, he found himself among science giants, such as Albert Einstein and Nobel Prize-winning physicist Eugene Wigner.

Upon finishing his PhD, he was hired by DuPont in Wilmington, Del., in the early 1950s, a time when the chemical company was scooping up chemistry graduates from across North America. One of the products he helped develop was Teflon. (Teflon was later tied to a massive company scandal involving a toxic compound used to make it that doesn't break down and is considered a "forever chemical.")

During his time at DuPont, he met fellow chemist Edith Graef, who became his partner in marriage and in research. The couple moved to Vancouver in 1954 so he could study medicine at UBC. He became an academic faculty member in 1960, and helped establish the university's division of neuros-

The McGeers entered neuroscience at a time when the fledgling field was bursting with new findings about how the brain worked. In *The History of Neu*roscience in Autobiography, the Drs. McGeer said they suspected in the late 1950s that biogenic amines, chemical compounds produced within the body,



First elected to the B.C. legislature in 1962 in the Point Grey riding, Pat McGeer eventually became leader of the provincial Liberals before crossing the floor to join the Social Credit Party in 1975. JEFF VINNICK/THE GLOBE AND MAIL



As a top scorer with the University of British Columbia's basketball team in the 1940s, Dr. McGeer helped UBC defeat the Harlem Globetrotters, then considered the best m in the world. JOHN LEHMANN/THE GLOBE AND MAIL

were central to neurotransmitters. The two zeroed in on studying these sig-nalling molecules. Their pioneering work on neurotransmitters and later, on the role of neuroinflammation in neurodegeneration, was internationally recognized and widely cited. Their research earned the couple multiple awards, including a joint appointment as officers of the Order of Canada in

"What excited him so much was the research and discovery," said Ms. Burnes, who described him as the "best boss" she ever had. She became a close friend of the McGeer family.

If asked what he was proudest of, he would probably have said his family and his partnership with his wife, Ms. Burnes said. But then, she said, he would "go into how many times he'd been cited in scientific journals. And all of that was because of things he discovered.'

He viewed entering politics as a way of contributing to public service, while he continued to do his research, Ms. Burnes said. Elected in 1962 in the Point Grey riding, he went on to become leader of B.C.'s Liberals before crossing the floor to join the Social Credit Party

Although he was loyal to and supportive of his colleagues, he wasn't a partisan person, Ms. Burnes said. In the legislative dining room, all the New Democratic Party members sat together at one table, the Liberals sat at another, and the Socreds at another, she recalled. But perhaps because he was raised in Vancouver at a time when the city was relatively small, and he knew and went to school with various elected officials, he could work and mingle among them all, she said.

"He sat anywhere and talked to anybody," she said. "He wasn't going to be favouring people from his own caucus. He was there to help everybody and lis-

ten to people." Some regarded him as arrogant, but Ms. Burnes said once people got to know him, they would see he had the knowledge and ability to back up his confidence.

As minister of universities, sciences and technology, he established some of the province's key institutions, including the Knowledge Network public broadcaster and the Discovery Foundation, created to foster science and technology innovation. The latter involved the creation of "Discovery Parks," spaces close to university and college campuses that encouraged businesses to take ideas from the postsecondary institutions and commercialize them He also supported the province's college system, and the growing of engineering schools at the University of Victoria and Simon Fraser University, Ms. Burnes said.

These efforts have left a lasting mark on B.C., said David G. Harper, president and chief executive of the Discovery Foundation.

"Employment is high and the tech sector is doing very well right now. And a lot of that is due to his vision 40 years ago," Dr. Harper said.

His visions were grand and abundant, but not all of them got off the ground. Perhaps most notable was his interest in building a fixed link, involving a tunnel and bridge route, between Vancouver and Vancouver Island. As Mr. Dickson explained, one would have had to have been "a miracle worker" to win the support of residents of the Gulf Islands to allow the construction of such a project through their communities. But even within the past year, he told Mr. Dickson he still thought the fixed link would be built one day.

Ever a believer in the scientific proc-

ess, he shared in a recent conversation with Mr. Dickson during the pandemic that he felt confident any challenge can

be overcome with science.
"Science always wins," he told him.
He leaves his wife, Dr. Edith McGeer; their children, Rick, Tad and Tori; and grandchildren, Rory, Owen, Sean, Kai-lee, Liam and Simone.

LIVES LIVED

JOHN HOWARD HOOD

Brother. Leafs lover/hater. Chocoholic. Survivor.

Born May 26, 1945, in Toronto; died April 26, 2022, in Toronto, of liver cancer; aged 76.

childhood photograph of John shows him lifting a string with three fish he'd caught. His sweater rides up to create a smile along his beltline. He stands pigeon-toed, his head cocked to one side as if to acknowledge the grandeur of this moment.

"Look what I did! See these fish? I caught 'em and brought 'em home for dinner," he seems to say, his rod and reel in his right hand, extended for all to see: "And

this is how I caught 'em."

He is proud. This photo captures that most vulnerable part of his character. "I matter," it says. "I'm John Howard Hood." His early life gave him every reason to

wither and to disappear.

He was injured at birth and would always have special needs. He was born into a highly dysfunctional family. And there were times that John did disappear into something called an "opportunity class" in school, and to the Huronia Regional Cen-tre in Orillia, Ont., an institution later accused of humiliation and abuse of its residents. John made courageous choices to survive the abuse he received.

He was a proud man. He managed to hold jobs, to be married (several times) and loved to rant about the Maple Leafs and politics. After a time, he reunited with his sister

and brother aided by loving help from his sister, Barb, and Stuart, her husband. The shards of his family took shape as a bowl that was large enough to contain our approaching adventures.

As his brother, I shared some profound moments with John.

The first was helping him construct and deliver the documents he needed to apply for compensation for his confinement at Huronia. We met weekly at Tim Hortons to remember. His life at Huronia was full of mistreatment, abuse and bullying. He was alone, away from his family. Those entrusted with his welfare were often abusive. They exploited his vulnerability. I remember there were times when he sat silently, sipping his coffee, remembering, hurting. ... Sometimes it was too difficult to talk.

Yet, John also remembered two guards who were kind to him. He found a way to survive, to hope. And the thought of re-ceiving compensation kept him going. He imagined what he would do "when my ship comes in."
One June day, several years ago, we

dressed up, took pictures and took a road trip to Guelph to hand over his completed documents to the lawyers managing his case. About a year later he received a settlement from the Ontario government for more than \$20,000.

His ship had come in.

The second privilege I had with John was shopping for groceries. There wasn't too much more profound to John than food. Our adventure usually began with a phone call.

"I thought I'd call to see if you need groceries?" I'd ask.

"Yeah, yeah, yeah, yeah," John always repeated "yeah" five times in rapid

He ambled down the aisles, often leaning on the shopping cart, laser scanning the shelves. His shopping list: chocolate milk, chocolate cake, Jos Louis cakes, chocolate doughnuts, hot chocolate, apple pie, raisin bread, sausages, Hungry-Man frozen dinners, anything else chocolate.

One time I bought him fancy Italian chocolate pastries.

"Nope ... don't like them," he grumped. The third thing we shared is very simple. Phone calls.

We talked about the Leafs ("they have no defense"), the Raptors ("I don't watch basketball"), horror movies ("oh yeah, yeah, yeah, yeah, yeah ... The Texas Chain-saw Massacre ... Freddy Krueger ... "). Sometimes we struggled to find com-

mon ground but one thing stayed constant. When we finished kvetching about our childhood stories (being locked outside on a winter's day ... freezing our butts off), when we finished all of that, I said: "I love you, my brother."

And he said, always, "I love you, too."

Richard Hood is John's brother.



John Howard Hood

REAL ESTATE*

OTTAWA/QUEBEC EDITION

FRIDAY, SEPTEMBER 23, 2022

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A DESIRE FOR DUPLEX

Multi-family homes are in demand as investors and owners who need help with a hefty mortgage look for options ■ H4

This property at 1034 Bland St. in Halifax has a five-bedroom home on the two upper levels, while the basement has three units: two studios and a two-bedroom apartment. DASH CREATIVE

ARCHITOURIST

An exploration of Scarborough's 'Ben Jungle' neighbourhood takes you back in time ■ H2

HOME OF THE WEEK

Estate in Ontario's Hockley Valley has wonderful space for huge gatherings ■ H6

BRITISH COLUMBIA

Vancouver's Broadway Plan has led one developer to rejig plans only to run into red tape ■ H8

Access to

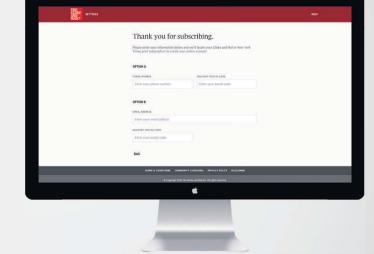
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H2 | REAL ESTATE O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022



Mid-century modern enthusiast Agatha Barc says her research into heritage architecture, such as in the Ben Jungle neighbourhood, began as a pandemic hobby. Ms. Barc says that while a great deal is written about big Toronto buildings like the TD Centre and Commerce Court, she is more interested in domestic architecture. DAVE LEBLANC/THE GLOBE AND MAIL

A taste of the 1950s in Scarborough's 'Ben Jungle'

The hybrid post-war neighbourhood mingled modernist design with more humble styles and a home could be had for a down payment of as little as \$1,578

DAVE LeBLANC

ARCHITOURIST



TORONTO

Welcome to the jungle, we've got fun and games We got everything you want honey, we know the

We are the people that can find whatever you may

neea
If you got the money, honey, we got your...house?

Ith apologies to Axl Rose and his Guns N' Roses bandmates, today I am standing in the "Ben Jungle" at the corner of Benfrisco Crescent and Ben Stanton Boulevard admiring one of four house types. And the next time I write Ben Jungle, let's save ink on those quotation marks, since even Google maps has the area labeled thusly. By my count, there are 15 street names in this Scarborough neighbourhood north of Lawrence Avenue West between McCowan Road and Bellamy Road North, and all begin with the prefix Ben, so a leisurely walk or drive will reveal beauties such as Benhur, Benprice, Benroyal, Benadair, Benlark and my favourite, Benorama.

While the builder, Price-Bilt, had christened the 500-plus single-family house development "Bendale Park" when it hit the market in the spring of 1955 – the farming community that had been here was named Benlomond in 1878 but that changed to Bendale in 1881 – it has been the Ben Jungle since at least the 1970s, perhaps earlier ... which makes that moniker the clear winner.

But, as University of Toronto librarian and mid-century modern enthusiast Agatha Barc and I walk along Benfrisco picking out the progressive, split-level "Catalina" models (which feature a ground-hugging, shallow-pitch roof and a large living room window) from the more traditional peaked- and hipped-roof models, we can't pick a clear winner as to which of the four – Pasadena, Santa Barbara, Catalina and Santa Anita – appealed most to Mr. and Mrs. Canada back then. It seems an even draw.

What's not even is the amount of research Toronto's postwar suburbs attract. Some neighbourhoods, such as Don Mills or Thorncrest Village, seem to hog the spotlight while others, such as Scarborough's Ionview or Mississauga's Lorne Park, seem to get very little attention. While that's likely because the frenzy of suburban development from 1945 to 1975 means only the incredibly progressive or innovative neighbourhoods stand out to scholars – a cape cod or a saltbox house is pretty much the same anywhere after all – it does mean a great many stories fall through the cracks.

But the Ben Jungle is interesting not only for its catchy name. It was a sort of hybrid 'hood where modernist design was allowed to comingle with safer, Levittown-esque styles, and was affordable to a wide range of blue- or lower-level white-collar commuters (a \$1,578 down payment would secure a Pasadena at \$11,950 and \$2,325 would snag a Catalina of \$12,500). And while the builder never mentions an architect behind the house designs, the community did benefit from master planning by architect/

town planner Eugene G. Faludi and a model home decorated by Simpson's interior decorator Madeline Bell. So, when Ms. Barc spotted a comment-with-photo about the Ben Jungle by Jim Hughes on a Facebook group discussing heritage architecture, she decided to contact him for more information.

"The process [was] a pandemic hobby," she said to me about her website, midmodto.ca, which features the Ben Jungle as well as the Hunter's Glen neighbourhood nearby, the Scarborough motel strip. Etobicoke's West Deane Park neighbourhood, and others. "I feel like there's a lot written about [Mies van der Rohe's] TD Centre or [I.M. Pei's] Commerce Court, but I find domestic architecture very interesting, and the small houses, and I've always loved anything from the 1920s to the early-60s."

Mr. Hughes, surprisingly, wrote back and "patiently answered all of my questions regarding the early days" of Bendale, as well as sharing personal photographs. While he was just a little boy, his father, William P. Hughes, a T. Eaton Co. employee, loved documenting the neighbourhood in its infancy via photographs. Using his reminiscences and real estate ads ("10,000 people visited Bendale Park last week-end" trumpeted a May, 1955 Globe and Mail ad) Ms. Barc was able to paint a picture of muddy streets, yet-to-be-built strip plazas (the one with the Bendale restaurant opened in 1959 or 1960), and the differences between the domestic dream as portrayed and the realities of daily life. It's worth the read.

With Ms. Barc's research in mind, I reached out to my friend Steve Good, an upright bassist in multiple rockabilly bands, to ask him about his childhood, since he grew up at 47 Benlight Cres. "Much of the time was spent at Thompson Park [which was] easily accessible through the hydro field," he wrote to me in an e-mail. "We'd venture into the creek swimming, catching crayfish, or hike through the fields. There was a bush common to the area, I don't know what it was called, but in the fall it grew plump, white little berries that when stomped on just right emitted a robust fart noise." Stomping on "fartberries," he writes, caused much tardiness at elementary school.

Once Mr. Good entered David and Mary Thomson Collegiate and developed an interest in punk music and clothing, things changed. The neighbourhood "became a dangerous place for my best friend and me ... often getting followed, harassed and beaten up walking home from the corner store. ... There was really no recourse except to deal with it or avoid going out after dark."

While a conservative (and dangerous) monoculture then, today the Ben Jungle contains Canadians from every corner of the globe. And the strip malls that service it contain just as many saree boutiques or roti restaurants as 'traditional' corner stores slinging slurpies or Wonder bread.

And with so many of today's jobs being done remotely, is the Ben Jungle due for a renais-

"I wouldn't live here, to be honest," finishes Ms. Barc as she picks up a French fry at the Bendale Restaurant, "but I think [these communities are] representative of a way of life that's sort of gone, and people are really nostalgic about it."

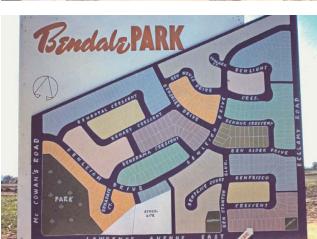




The four housing models – Pasadena, Santa Barbara, Catalina and Santa Anita – seem to be equally spread throughout the Ben Jungle area.

PHOTOS BY DAVE LEBLANC/THE GLOBE AND MAIL

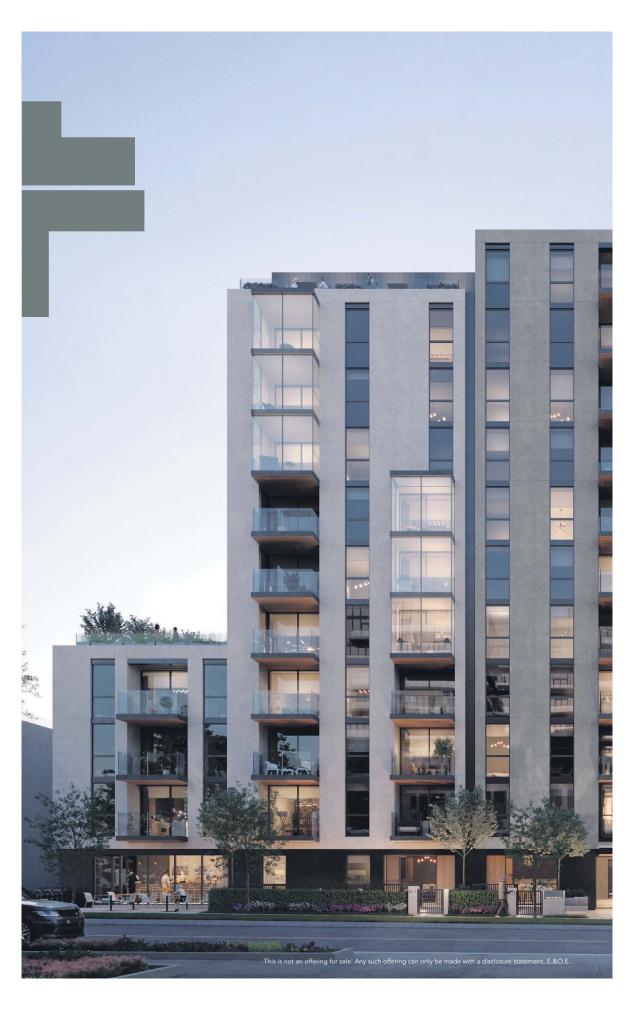




Builder Price-Bilt named the 500-plus single-family house development Bendale Park when it hit the market in 1955. The affordable prices attracted a wide range of blue- or lower-level white-collar commuters. Dave LeBlanc says he counted 15 street names that start with the prefix Ben. PHOTOS COURTESY JIM HUGHES

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REAL ESTATE REPORTER

MONTREAL

4378-4384 Rue de Bordeaux Asking price: \$1,275,000

some of the most popular neighbourhoods in Montreal practically every block is filled with 'plexes: duplexes, triplexes, fourplexes, you name it. In the Plateau neighbourhood the telltale exterior stairs to a second or third level are often a clue if a building is subdivided, but that isn't to say it's all renters.
"If you're going to buy a triplex

and live in one of the units, it will help to cover your mortgage and expenses. The bank will grant you a bigger mortgage amount if you have rental revenue," said Geneviève Borduas, broker with Les Immeubles M W Inc., who has several listings for 'plexes around Montreal. There are also pure rental investors who recognize the right 'plex can be a great return on capital. "It tends to be cheaper to buy a triplex versus buying three condo apartments," Ms. Borduas said.

There are four apartments in

the Rue de Bordeaux building, which is your standard three-storey on a street that's chock-ablock with similar style buildings. On the main level are two recently renovated a one-bedroom apartments; on both the second floor and third floor there are stand-alone three-bedroom apartments. Ms. Borduas's listing said the annual rent revenues for the building are above \$65,000, which could more than cover mortgage bills depending on the size of the loan.

There's often interest from

buyers looking to convert a 'plex into a single-family home in Montreal's once working-class but now increasingly affluent downtown neighbourhoods, though Quebec's strong tenant protections can make it easier to add new units than to take them away. That's what happened here, the previous owner spent money on roof and foundation fixes and subdivided the main floor so the two smallest apartments are now earning the most rent per square foot in the build-

TORONTO

39 Major St. Asking price: \$2,099,900

Toronto is a mixed bag for those looking at investing in small-scale rental 'plexes: On the one hand rental rates in the city are soaring (up 25 per cent since 2021 for apartments according Rentals.ca). On the other hand, home prices are still stubbornly high even as rising interest rates makes it harder to borrow a lot of money cheaply.

They were really easy to sell six to seven months ago," said Toni Martens, with Re/Max Ulti-mate Realty Inc. "Now, with interest rates going up, that's why some [investors] are the side-lines." He's been listing a Victorian row-house triplex (with a basement apartment) on Major Street - a block away from the University of Toronto's western edge - since March, 2022. The current owner bought it for \$1.5-million in 2018, and Mr. Martens initially listed it almost \$250,000 higher than his current \$2.099-million asking price. Even though it has been renovated by the current owner, some of the tenants are paying below-market rent, which can be a deterrent for investors looking at 'plexes in Toronto. "Long-term tenants with the low rent - nobody wants to touch it," said Mr. Martens. "The cost to evict the tenants, it's really high. Even if you offer \$30,000, they won't take it."

The challenge is the capitalization rate: As interest rates rise, a potential investor either needs to invest more money into a down payment to keep the mortgage payments low enough for rents to create cashflow, or have a building with high enough rents to justify paying more. The bumping up of rental revenues by a few thousand dollars a month could mean posting hundreds of thousands less in down payment.

'One of the buyers we sold [another plex] to got dividends from a company he works for, plus part of an estate. They want to invest





This building at 4378-4384 Rue de Bordeaux in Montreal has four apartments. PHOTOS BY LES IMMEUBLES M W INC





This Victorian row-house triplex at 39 Major St. in Toronto has an asking price of \$2,099,900. PHOTOS BY IGUIDE





Agent Kristyn Rost has listed a pair of nearly semi-detached homes with basement apartments in Edmonton. PHOTOS BY MAXWELL POLARIS



On 1034 Bland St. in Halifax sits a multi-unit building with a trio of basement apartments that pull in \$4,000 a month. Right now it's a four-plex, but could be converted to a six-plex. DASH CREATIVE

money on a safe place, not a stock market," Mr. Martins said. "It was easy to sell because it was vacant: the new owner can paint the house and get market value

HALIFAX

1034 Bland St. Asking price: \$1,899,000

The house at 1034 Bland St., presents a unique prospect: the upper two levels are a huge five-bedroom home that's been fully ren-ovated and restored, while the completely remodeled half-basement holds three apartments with four bedrooms between them. Technically that's a fourplex, but it's also in a heritage protection zone, which does allow it to be converted to a six-plex (as the adjoining house is orga-

"It would be a shame to brick it up, but you are allowed to do that. I think the person that buys it will live upstairs, and have the rental income downstairs, which should pretty much pay all your expenses and taxes," said listing agent Stephen Patterson of Parachute Realty.

The basement apartments are tenanted, and recently, pulling in more than \$4,000 a month between two studios and a two-bedroom. "That's crazy," Mr. Patterson said. "It's really tight in Nova Scotia for housing right now, it's definitely a housing crunch. I think Dalhousie University is reporting 20-30 students still haven't found housing."

The building was renovated by a local developer who included

some unique touches such as a fenced-in patio in the backyard accessible only to the upstairs five-bedroom house. The main living space was opened up so the kitchen and family room flow together and the living room/dining room fills the front half of the house. Mr. Patterson has fielded inquiries from both local rental investors to folks from away looking for flexibility. "I've got a doctor moving here from out west. He might eventually have his parents move to the basement.'

It's not exactly cheap at \$2-million, but as Mr. Patterson puts it, if the rents pay for half the mortgage then it's a real bargain to get an updated five-bedroom house in downtown Halifax for under \$1-million

EDMONTON

10746 (and 10748) 75 Ave. NW Asking price: \$724,990

In 2019, Edmonton became one of the first cities in Canada to essentially do away with what's known as exclusionary zoning when it allowed duplexes and semi-detached homes to be built on any existing single-family residential lot. That has allowed for a boom in duplexes and fourplexes across the city, particularly in the areas near the city's core introducing loads of what's called missingmiddle density (home types that sit between one-family per structure and a multi-storey residential towers).

Kristyn Rost of MaxWell Polaris sells homes for a select group of builders who are redeveloping homes to create some affordable

options in this fashion. She has the listing for two nearly identical semi-detached homes with basement apartments in the Queen Alexandra area (near the University of Alberta and the city's main drag, Whyte Avenue). The homes at 10746 and 10748 75 Ave. NW are two sides of one semi-detached structure and, aside from a few cosmetic touches – one favours a raw-lumber-style flooring, the other something a little more barn-board grey and muted, they have the same price and the same layout: The upstairs apartment is about 1,680 square feet with three bedrooms and 21/2 bathrooms. The basement apartment has two

ALLIE LAU REALTY LTD

laundry and bathroom. 'For some people, it's strictly for investment," said Ms. Rost, she's recently sold 'plexes to investors from Ontario and British Columbia. But she also sees a lot of locals who see it as a way into the housing market. "Professionals who want to have the option to rent out the basement suite,' for example, she said.

bedrooms in addition to kitchen.

Unfortunately, the new frontier in zoning has also opened up a bit of a wild west in terms of builders without qualifications throwing up homes. "It's such an unregulated industry," Ms. Rost "Where it comes to home warranties; it's garbage, they don't follow through on anything. Homes are being turned over in really crummy condition. That's why she's careful about who she works with. "These guys, the ones I choose to work with, they do good work ... for me I need to feel good about what I'm selling to somebody. I know these guys will make it right."

VANCOUVER

This duplex at 2756 Point Grey Rd. in Vancouver's Kitsilano area has

views of the Burrard Inlet and the mountains on the north shore.

2756 Point Grev Rd. Asking price: \$3,980,000

Vancouver has some of the most expensive land in Canada, so it's not surprising that in some highly sought-after areas a duplex of-ten times isn't so much a rental property as way to find a slightly more affordable home.

That's very true of this duplex on the desirable Point Grey Road section of Kitsilano, where, as listing agent Allie Lau put it, you can 'be part of multi-billionaire liv-

Indeed, on the north side of Point Grey Road there are homes on the water that sell between \$10- and \$20-million Ms Lau's listing is on the south side, across the street from an oceanfront park, though it does have a million dollar view from the second and third floors looking across Burrard Inlet to the mountains on the north shore.

It has a garage off the laneway. the kitchen and living room on the second level to maximize those views, with three bedrooms on the third floor. The primary bedroom faces the water, and there's a roof-deck access here as

"Mainly [buyers] like the location; it's on the 'Golden Mile'; a lot of people want to live in Point Grey," she said. The house has been on the market for more than 180 days, and last sold in 2016 for \$2.8-million, but so far the threelevel home has deterred buyers of a certain age. "Lots of buyers are older, for them, too many steps,' Ms. Lau said.

In Toronto home buyers hone their tactics; rise of the 'stink bid'

The lowball offer is often used to shake the bushes to discover which sellers are most motivated to sell their house

CAROLYN **IRELAND**



TORONTO

n the slouching Toronto-area real estate market, figuring out which seller is motivated to sell at a discount is a game patient buyers are prepared to play.

One of the tactics is the deployment of a lowball offer. Tossing in a bid significantly

below the asking price is an aggressive negotiating strategy that risks offending the seller, who may not respond at all.

But the ploy can also lead to a

The Tuesday after Labour Day is the traditional kickoff to the fall market. This year, broker Andre Kutyan of Harvey Kalles Real Estate Ltd. received four offers on three properties on that

By the time the haggling was finished, only one property had

"They're just trying to test the water and see who's hungry," he says of the buyers.

A late burst of activity led to a bounce in sales in the Greater Toronto Area, which saw an 11-percent increase in transactions in August compared with July.

Rishi Sondhi, economist at Toronto-Dominion Bank, notes that sales were down in nine out of 10 provinces in Canada last month, with only Ontario able to muster a gain as a result of the GTA rebound.

Mr. Sondhi cautions, however, that it's hard to argue that conditions have reached a turning point: Sales remain 30 per cent below pre-pandemic levels in the GTA, the supply-demand balance is tilted in favour of buyers, and the benchmark price slipped two per cent in August from July.

He expects the slowdown to continue into the fall after the Bank of Canada raised a key in-



Realtor Andre Kutvan received a 'stink bid' for the house at 388 Elm Road in Toronto. HARVEY KALLES REAL ESTATE LTD.

terest rate by an additional 75 basis points this month. The fifth rate hike this year brought the overnight rate to 3.25 per cent.

In Mr. Sondhi's opinion, Toronto's recent gain is unsustainable as a significant economic slowdown appears likely. He forecasts the national average home price will fall approximately 20 per cent by early 2023 from its peak in the first quarter of this year.

Against this backdrop, sellers buyers are navigating a rocky landscape.

Mr. Kutyan says buyers often have their eyes on three or four properties and they will submit a bid on one after another until they find a sufficiently motivated

Some sellers are relieved to receive an offer below asking because at least it signals the exist-ence of an interested buyer and the chance to negotiate. And when one offer lands, it often spurs another buyer to bring a more serious bid.

The deal that did come together was the sale of a luxurious Yorkville condo unit with an asking price of \$6,999,000. After a lengthy negotiation, the twobedroom unit 6A at 36 Hazelton Ave., sold firm for \$6,660,000.

The price of the 3,150-squarefoot unit in a boutique building had been reduced several times since it was first listed with an asking price of \$8,329,500 in Ju-

"It's difficult to price because there are no comparables," Mr. Kutyan says, adding, "It's such a finite number of people who can

afford this sort of thing."
One offer had landed last year when the asking price was \$7.995-million, but the seller needed more time to test the waters, he explains.

"

The market has changed and it's taking time to drill that into [sellers'] heads.

DAVELLE MORRISONBROKER WITH BOSLEY REAL ESTATE LTD.

Mr. Kutyan advised the seller to cut the price to below the \$7million mark in late August, and that move prompted a second buyer to come forward.

Mr. Kutyan says the offer received in 2021 was slightly higher than the sale price this month.

But that's not necessarily bad news because the seller is planning to downsize to a smaller house in the area. The price the seller will have to pay for a home in the nearby Annex neighbourhood, for example, has dropped over the same period.

"Prices have softened even in a high-demand area like that,"

Mr. Kutyan says. On the same day, Mr. Kutyan received an offer for a newly built house In Bedford Park, which he had listed with an asking price of \$3.995-million at the end of June.

With supply chain disruptions and labour shortages to deal with, the builders had spent more than two years building the four-bedroom home on a 30foot-wide lot at 388 Elm Rd.

When one buyer submitted a lowball offer, Mr. Kutvan notified all of the agents who had shown the property. That prompted another buyer to come to the table, but the second buyer also brought what Mr. Kutyan deems a "stink bid."

The builders are well-financed, he says, and unwilling to settle for low prices after investing in land, construction, taxes and other soft costs.

Mr. Kutyan points out that the Greater Toronto Area market is made up of hundreds of micromarkets. Within the overall trends, various price segments and pockets often trade in different ways.

He notes that the benchmark rice of a detached single-family home in Bedford Park and the surrounding area rose 7 per cent in August compared with August, 2021.

By comparison, the familyfriendly neighbourhood of Lea-side and the area around it saw its benchmark price for a detached house dipped 3 per cent in August from the same month

Mr. Kutvan adds that there are few competing properties in the neighbourhood and the sellers are in a position to hold firm.

"I'm the only game in town if you want a 30-footer in Bedford Park. They're not going to give away the house," he says. "Before a seller drops their pants significantly, they're going to see what happens in the market."

That same day, a first-time buyer submitted a lowball offer for a condo near Avenue Road and St. Clair Avenue West with an asking price of \$2.849-million.

The purchaser had backing from the "bank of mom and dad," he says.

"It's a stink bid – they are try-

ing to steal the place The two sides could not come to an agreement and the buyer

disappeared.

Davelle Morrison, broker with Bosley Real Estate Ltd., says buyers and sellers remain hesitant in Toronto.

"They're trying to read the market and figure things out."

Some people would like to trade up, she says, but many pre-fer to buy first because they're fearful of being forced to make a panicked decision.

'The place they live in now is good enough – yes, they'd like something more but they don't want to sell and have a gun to their head."

Sellers also sometimes fail to understand that the same dynamics dragging down the prices of other properties will also apply to their own.

'The market has changed and it's taking time to drill that into their heads."

She says unrealistic sellers also face risks even if they do find a buyer to pay the number they want. Many lenders are unwilling to approve a mortgage if an over-eager buyer offered too much.

The lender is going to send over an appraiser and give every-one a reality check," she says. The bank's appraiser is going to win in this argument."

And while properties are languishing on the market, some buyers are still willing to jump into competition - especially if they perceive that someone else wants the property.

Bidding wars are harder to conjure these days, but setting an asking price at just the right level is key.

During the summer slump, a

couple planning to downsize from their 1980s-era house hired Mr. Kutvan to list the property in subdivision in Richmond Hill.

When he looked at the competition in the area, he found 55 properties listed between \$1-million and \$2-million

Some of the other homes were larger, but Mr. Kutyan's listing backed onto a small pond. He listed the four-bedroom

house at 55 Samantha Circle with an asking price of \$1,395-million and drew 121 showings in six days. Fifteen bidders came to the table on offer night and the house sold for \$1.625-million. "The door was swinging," he

"People were lined up in front of the house. It becomes a commodity too good to be true.







Landscaper's former Calgary home gets six offers

252 Cedardale Place SW, Calgary

Asking price: \$549,900 (July, 2022) Selling price: \$583,900 (July, 2022) Taxes: \$2,885 (2021) Days on the market: Four Listing agent: Bryon Howard, eXp Realty

THE ACTION Agent Bryon Howard sized up this three-bedroom house in March and reckoned it might sell for as little as \$574,900 or as much as \$589,000. However, the seller decided to hold back the listing until Julv.

By then, the plantings on the irregularshaped, 10,462 square foot lot showed at their best. Six visitors placed offers hours

after a busy open house. "We chose to list it for at \$550,000 because the market had softened," Mr. Howard said. "We hoped we'd get multiple offers, but weren't counting on it. But it went that way because it has a spectacular back"It's one of the larger lots around in the

WHAT THEY GOT This two-storey house was built in 1984 at the end of a cul-de-sac. It has 1,513 square feet of living space with interior access to a double garage

The main floor is arranged with an open study, dining area and a separate liv-

ing room with a gas fireplace. There is a den and recreation area in the basement.

The three bathrooms have been recently updated with in-floor heating. The southwest-facing yard has a 750-square-foot deck in addition to a patio, sports field and gardens with an automat-

THE AGENT'S TAKE "It was a nice family home owned by a landscaper, who put about \$150,000 into it with beautiful Rundle stone, walkways and fruit trees, it was really gorgeous landscaping work," Mr. Howard said. The sports field could be "turned into a hockey rink in the winter, or a soccer and tennis area.'

ed irrigation system.







This home at 3030 Concession Rd. 3 in Adjala-Tosorontio, Ont., sits on 68 acres of land, which includes a five-acre vineyard. PHOTOS BY ALEXANDER ROTHE

Soaring arches above a rural retreat

Hockley Valley home design blends barn and medieval cathedral, with wooden structural supports and century-old salvaged beams

SHANE DINGMAN REAL ESTATE REPORTER

3030 Concession Rd. 3 ADJALA-TOSORONTIO, ONT

Asking Price: \$5,499,000 Taxes: \$13,585.15 (2022) Lot Size: 68 acres (268.28 by 3,215 feet) Agent: Johane Lefrançois, broker, Johnston & Daniel Division, Royal LePage Real Estate Services Ltd.

THE BACKSTORY

Over the space of 20 years, John Pennie went from wanting to build a wind farm, to building a house with a concert hall, before ultimately planting a vineyard and building a winery on his Hockley Valley estate north of Toronto.

The 68-acre plot was a farm and a gravel pit when he purchased it more than 20 years ago, and at 1,000 feet above sea level seemed like a decent spot to place some wind turbines for his former company Windrush Energy.

"After testing the wind we discovered the wind was not as strong as out in the Grand Valley area," he said, and the company placed three green energy projects in that area over the next 15 years. With no plans for energy in Hockley Valley, he suggested to his partners that the land might make for a stellar home, one that he wanted to design himself.

In the mid-1980s Mr. Pennie built a Tu-dor-style home in Caledon, Ont., inspired by the scenery near the Windrush River in the Cotswolds region of England. Choosing the highest point on the Hockley Valley lands he was determined to build something that could function as an entertain-ment space and showpiece; thus Windrush Chateau was conceived, finishing in

The almost 11,000-square-foot building

is like a hybrid of a barn and a medieval cathedral, with its cross-shaped structure and a gambrel roofs. Inside all the wooden structural supports in the ceiling are exposed, as are dozens of century-old beams salvaged from Ontario barns. "Some peo-ple say this looks like the inside of a Viking ship; upside down of course," Mr. Pennie

Mr. Pennie's wife, Marilyn Field, is a musician and music teacher who started the Darearts Foundation charity, which touched the lives of thousands of children over its more than 20 years of operation. The need to hold investor meetings for his business and fundraisers for her charity led to quite a number of concerts and dinners held inside the huge structure.

"We can sit 60 people for dinner in the great hall or 100 for a concert," Mr. Pennie said . Over the years they have hosted intimate concerts for local music festivals, been used as a studio for streaming performances during COVID and raised a lot of money. Where Mr. Pennie once chipped in with prep work for these events, at 83 he's finding himself with less energy and motivation to put out 100 chairs for guests. I found I need to make a change in our lifestyle," he said.

THE HOUSE TODAY

As the laneway winds toward the main house the hillside falls away to the right and a thicket of trees shrouds the hilltop on the left.

The main entrance is on the end of one of the cross-pieces (called a transept in cathedral-speak) and the double doors open into an uninterrupted chamber that extends to a wall of windows on the opposite wing. Glass-railed stairs climb up on the left to the second-floor loft (and down to the lower level) next to an elevator, while a huge dining table dominates the central hall, which is open to the ceiling and those long-boat ceiling supports.

On the right is a long hallway that runs past a separate pantry/servery to the large eat-in-kitchen. Anchored by a large U-shaped island ("They can lay out 60 plates for plating," Mr. Pennie said, "they" being chefs brought in for events, such as their friend J.P. Challet, formerly of the Windsor Arms and at Auberge du Pommier) that is surrounded by river-stone floors and backsplashes the room has walls of windows on two sides flanking a stone-faced hearth.

A patio wraps around the kitchen connecting it to the pool deck outside (which is actually next to the front door, why is a long story involving zoning) and there's more entertainment space and views commanding the heights of the north table of

Hockley Valley.

Just off the dining room is Mr. Pennie's office (complete with a boardroom table) and a main-floor primary bedroom suite with its own fireplace and more views of the valley. A short hallway past the stairs takes you to a guest bathroom and a sec-

ond office for Ms. Fields. Downstairs is a gym, garage access and what is currently set up as an office complete with cubicles but which could be a stand-alone apartment or in-law suite complete with its own full prep kitchen and window-wall walkout to the grounds.

Upstairs is where those soaring ceilings

take centre stage.

This is the largest open space in the house, and from the top of the stairs there are two zones separated by a glass-railed walkway. On its own above the kitchen is a 32- by 40-foot studio space with grand pi-ano that could host an entire brass band plus choir, which of course would fill the house with music.

On the other side of the hall is more living space, a sitting area acts as the foyer for two large bedroom suites, each with its own full bath. The room on the right has a staircase to a loft space above, the highest point in the building that looks out on ev-

A SEMI-PUBLIC PRIVATE ESTATE

The couple has been hosting events at Windrush as part of their burgeoning wine business, but the only downside to the property is that while it comes with a fiveacre vineyard with about 6,000 plants, Mr. Pennie is taking the winery equipment with him. The couple is keeping the wine business, which they can do because they don't use the grapes grown on the land.

"We have a vineyard here that's too young to harvest for a premium wine," Mr. Pennie said. The way it works in Ontario is you're able to bring in outside grapes to make wine even if your grapes aren't producing yet (Mr. Pennie estimates the current grapes are a few seasons away from maturity). That does mean that a buyer could someday set up their own winery in the vacated winery building, or convert it to a horse barn, or whatever they desire.

The concerts and fundraisers; acres of trails and bush; the vineyard and winery; Mr. Pennie hopes someone who buys the property wants to keep up or build on the estate's role in the community. "We [built] it for ourselves and our friends and charitable purposes," he said. "We'd be happy if somebody bought it and wanted to have a hybrid lifestyle.'

















The house has a large eat-in kitchen that has a eat-in kitchen that has a U-shaped island. The current owners have held dinner parties with 60 guests where they would bring in chefs such as J.P. Challet, formerly of the Windsor Arms and at Auberge du Pommier to cook the meals. PHOTOS BY ALEXANDER ROTHE

VACATION LEISURE PROPERTY OUTSIDE CANADA

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H8 | REAL ESTATE O THE GLOBE AND MAIL | FRIDAY, SEPTEMBER 23, 2022

Developers want to go bigger, bolder, higher

Vancouver's push for density has builders rejigging their plans

KERRY GOLD







hen Vancouver developer Zack Ross heard that the Broadway Plan had been approved, he immediately ordered all work stopped at the site of a 95-unit apartment building on East 2nd Avenue, in the False Creek Flats area. Instead of a five-storey building, Mr. Ross now had the potential to go to 20 store-

His crew had finished excavation and was ready to start pouring concrete at the site, which is a short walk from a future subway stop on the Broadway subway line. The president of long-time family company Cape Group had already spent about \$2.9-million in pre-construction costs. But according to the newly approved plan, he could go four times higher and at least double the number of units than the building under-

way.

He was hoping it would be easy enough to change the plan, since it fit with the City's mission to generate for more rental housing. But now he has to apply for a new rezoning, a major setback that will take a few more months as he comes up with a new plan. The plan was mass timber construc-tion for the original five-storey building, but that won't be possi-

ble with a 20-storey building.
With the increased land value, he'll recover some of the sunk costs, but he's also scrambling to keep up with increasing production expenses. He says construction of purpose-built rental is getting more difficult.

"It's a bigger project, so some-one might think that means the developers make a ton more money. But that's just not the case," Mr. Ross said. "So many different things need to come to-gether to make these things work, and [costs] all go up proportionate with the size of the projects.'

He is one of a few developers caught in the grey area of the new massively upzoned plan, and all the uncertainty that comes with it. On top of costs, uncertainty of how long it will take to get approved is making it difficult to supply the market with more rental housing, he says. He currently has three rental sites in the pipeline and hasn't yet built one unit of housing.

"We now have a giant hole in the ground with no building there helping us to pay for the property," he says. "We thought it should be a fairly easy process to get up to 20 storeys, and now we are looking at however long to rezone. And that doesn't help with bring-

ing units onto the market."
If he'd known they'd be included in the Plan, Mr. Ross would have kept his retail tenant and the revenue coming in. It's a predicament, he says, but at least he is fortunate enough to apply to go four times higher.

Ross's developments wouldn't displace existing renters. But if there were existing renters, he says it would be problematic to redevelop because of the City's enhanced tenant protections policy, which requires that developers top up the rents of displaced tenants while they rent elsewhere, and then offer them an opportunity to return to the new building at the same rent they'd been paying, or a 20-percent discount on citywide average rent, whichever is less.





These renderings show the original proposal for the Raphael building on East 2nd Avenue, in Vancouver's False Creek Flats area. The five-storey building is on hold as the developer is seeking to build a 20-storey complex instead. IMAGES PROVIDED

BY CAPE GROUP

"The problem with those is they will be difficult because you have to replace the rentals. ... It's a huge impact on the pro forma when you try to put it together."

Commercial realtor Mark Goodman, who specializes in the sale of rental properties, says that it's a major obstacle. Properties have sold and there are listings for apartment buildings (RM zones) for sale in the Broadway Plan, but moving forward with develop-ment will be a challenge, he says.

"In those areas, the plan has been a failure," Mr. Goodman says. "We have had enough feedback, we have talked to probably over 30 developers, and the sentiment is one of frustration. The plan does not work in RM-zoned districts, and that is the unfortunate truth, and the reality that we

"The tenant [protection] plan is onerous. A tenant can come back at same rent, and that's a big risk, if you are tearing down 65unit building and hoping for market rents. ... The reality is that the plan does not work and will not encourage redevelopment of RMzoned areas.'

He also takes issue with the province's recent announcement that rent increases for 2023 will be capped at 2 per cent, far below the rate of inflation. New develop-ment outside RM zones will fare

much easier, said Mr. Goodman. One investment company is feeling confident about the rental market, despite the risks. Crombie REIT, which is developing the Broadway and Commercial Drive Safeway site with Westbank, said in an earnings call last month that it is considering a push for greater density than previously pro-posed, now that the Broadway Plan has been approved. Although it's a few blocks away from the Broadway Plan area Crombie's president said in the teleconference meeting that it only makes sense at such an important transit hub. He also spoke about the profitability of having a thousand residents living above a SkyTrain station and grocery store that sells high-margin gro-

The three-tower project includes two rental towers and a condo tower. The tower height at 1780 Broadway has always rankled some residents, who formed a group called No Safeway Megatowers, because the 24 to 29 storey heights are higher than what was set out in the Grandview Woodland Community Plan. That plan, approved by council, recommended heights of 12 to 24 storeys at the site. The group argues that the retail and office base pushes the height of the tallest proposed tower to 40 storeys. Residents of the neighbourhood, which has a high concentration of social housing and small mom-and-pop retailers, say they need a large public gathering space and more affordable housing for low-to-

moderate incomes. Paisley Woodward, member of the citizens group, had listened in on the earnings call and was disheartened to hear they want to apply to add more floors. She said she understands the need for towers at a transit hub, and she also understands that the REIT is duty bound to its shareholders to ensure the best returns possible. But she said the affordable component is scant.

"The job of Crombie REIT is to make money for investors. That's

what they need to do. So that's fine. But for us as Vancouverites, what is in it for the neighbourhood? And what are we getting in terms of affordability? Virtually nothing," Ms. Woodward says.

The three-tower project is offering 438 rental units, including 93 at below-market rates and 215 condo strata units, for a total of 653 units.

Vancouver city council postponed the project's public hear-ing until after the municipal election in October. It's expected the hearing will happen in the early part of 2023.

"We do have a little bit of time, and what I said publicly at the time was that we will take the time and have a look, and we may be able to add a number of floors of density," Mr. Clow said in the virtual meeting, held last month.

'We have seen the Broadway Plan approved nearby with the towers with significantly more density or height than what we have on this site, even though it's got that superior transit location," Mr. Clow said.

Although Crombie, and REITs in general, don't typically build condominiums, Mr. Clow said that in this case the condos would self-fund the project.

"In my mind the golden goose is population growth and under supply, so you see people able to raise rents in the residential business, and people generally can build developments. Even with inflation factors in certain markets they are able to build them profitably and establish that cash flow for higher cash flow growth.

"So I think we are very enthusiastic about it. And there is maybe a short pause, but it's not a long pause. ... I think the most strate gic thing you can do for multi-res building is put a grocery store at the base, and the most strategic thing you can do for a grocery store is put a thousand people above it, so that one shops there every day and buys high-margin prepared foods, etcetera. So it's a great program.

Offer with conditions dumped after 'clean' bid received

DONE DEAL

119 Durham St., New Westminster, B.C. GLENBROOKE NORTH

Asking price: \$1.999-million (July Selling price: \$2.03-million (Aug. Previous selling prices: \$575.000 (2012); \$410,000 (2007); \$230,000 (1997); \$220,000 (1994) Days on market: 32 Taxes: \$6,632.31 (2021) Listing agents: Monica Harmse, Denny Dumas



THE ACTION The sellers received multiple offers after seven days on the market. They initially accepted an offer that was subject

to sale of a home in Burnaby, says listing agent Monica Harmse. Subject-to-sale offers have become more common in the cur-

rent slower market conditions, she says.

"These offers have a lower chance of completing, so the listing team continued to show the property and eventually received a sharp subject-free back-up offer," Ms. Harmse says

After giving the first party 72 hours notice, the back-up offer was accepted. The buyers are a couple that had been looking to move closer to their grandchildren. The sellers have bought a retirement home outside New

WHAT THEY GOT This eight-year-old house in the Glenbrooke North neighbourhood sits on 33- by 140foot lot that is within walking distance of schools, Queen's Park

and shopping.

The house has 2,390 square feet of living space with four bedrooms and 31/2 bathrooms, a selfcontained one-bedroom ment suite, kitchen with quartz counters, heated floors, private sundeck off the master bedroom, professional landscaping and view of the mountains from the decks. There's also a double garage.

THE AGENT'S TAKE "A major draw for this home was the fully separate legal suite. The income potential and turn-key nature of this property is extremely unique for the neighbourhood," Ms. Harmse

The sale completed Sept. 22.

KERRY GOLD

Priced out of Toronto, buyers cut a deal for Vaughan semi

152 Convoy Cres., Vaughan,

Asking price: \$1,170,000 (July, 2022) Previous asking price: \$1,249,000 (June, 2022) Selling price: \$1.1-million (July, 2022) Previous selling price: \$381,000 (March, 2008) Taxes: \$4,097 (2022) Days on the market: 12 Buyers' agent: Vadim Vilensky,

Re/Max Realtron Vadim Vilensky

Realty

THE ACTION Agent Vadim Vilensky's clients wanted to buy their first home in Etobicoke this spring and had a budget with an upper limit of \$1.15-million. But their hopes were dashed when they could find nothing acceptable and prices through the roof.

"They'd seen how the market went from a townhouse costing \$900,000 go all the way to \$1.5million in a very short amount of time. so I told them not to buy anything," Mr. Vilensky said.

"Prices there went up too fast." When they resumed their home search this summer, they looked north to Vaughan where this semi-detached house had its



list price reduced from \$1,249,000 to \$1.170,000 about a week after first coming on the market. Negotiations lead to a \$1.1-million agreement.

"It was a lot of back and forth, almost a week-long [process], but I told my clients not to give up because the seller is motivated," Mr. Vilensky said.

"So, we managed to make it happen."

WHAT THEY GOT This four-bedroom house is in a low-rise subdivision north of Canada's Wonderland. It

was built about 14 years ago and has more than 2,500 square feet of living space.

Over the past seven years, the roofing, windows and mechanical systems were replaced, the four bathrooms were remodelled and the eat-in kitchen was redone with quartz countertops and stainless steel appliances

There is a living and dining area with a gas fireplace, and a recreation area below with a wet bar and a guest room.

THE AGENT'S TAKE "It's a semi-de-





tached home but it's only linked by the garage," Mr. Vilensky said.
"So, it acts like a detached

The 30- by 85-foot property is well situated. "There is greenery

at the back, so it's like a ravine," Mr. Vilensky said.

"It's also a few minutes away from the 400 [highway] and the Maple GO station, so this was an ideal location.

New Mississauga condo sells after price lowered

4065 Confederation Parkway, No. 2509, Mississauga

Asking price: \$549,000 (Late June, 2022) Previous asking price: \$575,000 (Mid-June, 2022) Selling price: \$549,000 (July, 2022) Taxes: \$1,783 (2022) Days on the market: Nine Listing agent: Kimmé Myles Sotheby's International Realty Canada

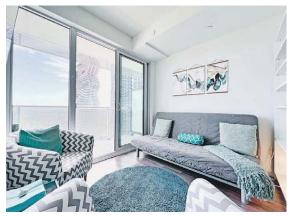
THE ACTION This one-bedroom condo was one of two similar units listed for sale in June in a new high-rise building near Square One mall in Mississauga. Both units had asking prices in the upper \$500,000 range. Two weeks later, the owners heard that the competing unit had sold after dropping their asking price. They followed suit, cutting their price to \$549,000. A purchase offer soon followed.

"The other unit came back out at \$550,000 a few days before us and sold for full list," said agent Kimmé Myles. "So it was helpful to convince my clients to drop the price Ours should have sold for higher because it showed better, but at that point, the sellers were realistic with pricing, especially with the market changing.

"Now, there are way more units [listed] in the building, so we sold at the right time.'

WHAT THEY GOT This 458-square-foot unit has a modern design with floor-to-ceiling windows and a south-facing balcony at one end of the principal room.

Laminate flooring,





countertops, steel appliances and laundry ma-chines complete the space.

Monthly fees of \$290 pay for water and heating, 24-hour concierge, a rooftop deck and a fitness centre with a climbing wall and half court.

■ The unit comes with a storage locker. Parking is available for about \$85 each month.

THE AGENT'S TAKE "You could see the lake and beautiful, unob-





Ms. Myles said.
"And it had a very large balcothat spanned the entire width of the unit, so it wasn't like a bowling alley layout, it was more

Residents also have access to countless resources. "Daniels' buildings always have amazing amenities, even for kids," Ms. Myles said. "It's a great area that overlooks Square One and Sheridan College.

Lakeview two-bedroom condo fetches \$820.000

33 Harbour Square, No. 408,

Toronto SOUTH CORE

Asking price: \$799,999 (August, Selling price: \$820,000 (August,

Previous selling prices: \$334,900 (May, 2003); \$255,000 (June, 1994) Taxes: \$4,474 (2022)

Days on the market: Two Listing agent: Anne Adams, Toronto West Realty Inc.

THE ACTION It had been months since another suite had come to market at the Harbour Square building, a converted high-rise. Once this two-bedroom unit with south-facing windows overlooking Toronto Harbour and Lake Ontario came to market, it took only two days to get an offer. The over-asking bid came from another resident in the more than 40-year-old building.

"It's a very desirable area and community, but with the market change, the price is what attracted people," agent Anne Adams

"This unit wasn't in great condition, so it was priced lower than what typical two-bedroom units with waterfront views would sell

WHAT THEY GOT Harbour Square

was designed with more than 500 units with one- to three-bedrooms layouts. This fourth-floor suite has a less common twostorey set up with one balcony accessed from the primary room on the lower level, and another balcony outside the living

and dining area above. There is a formal kitchen and two full bathrooms.

The unit comes with one parking spot. However, a shuttle bus to Union Station is included in the monthly fees of \$1,310, which also covers the cost of utilities and cable.

Recreational attractions include a gym, squash courts, indoor saltwater pool and rooftop deck with barbecues. A shared laundry room is on the 34th floor and a covered walkway connects to the Westin Harbour Castle ho-

THE AGENT'S TAKE "It has a waterfront view and two nice balconies, which was a major attraction," Ms. Adams said.

"One thing that really stood out was the rooftop garden ac-cessed from the eighth floor. It's a very large piece of property where people go to lounge. It's kept beautifully, there are six barbecues and it overlooks the lake

- SYDNIA YU







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